

FIG. 1

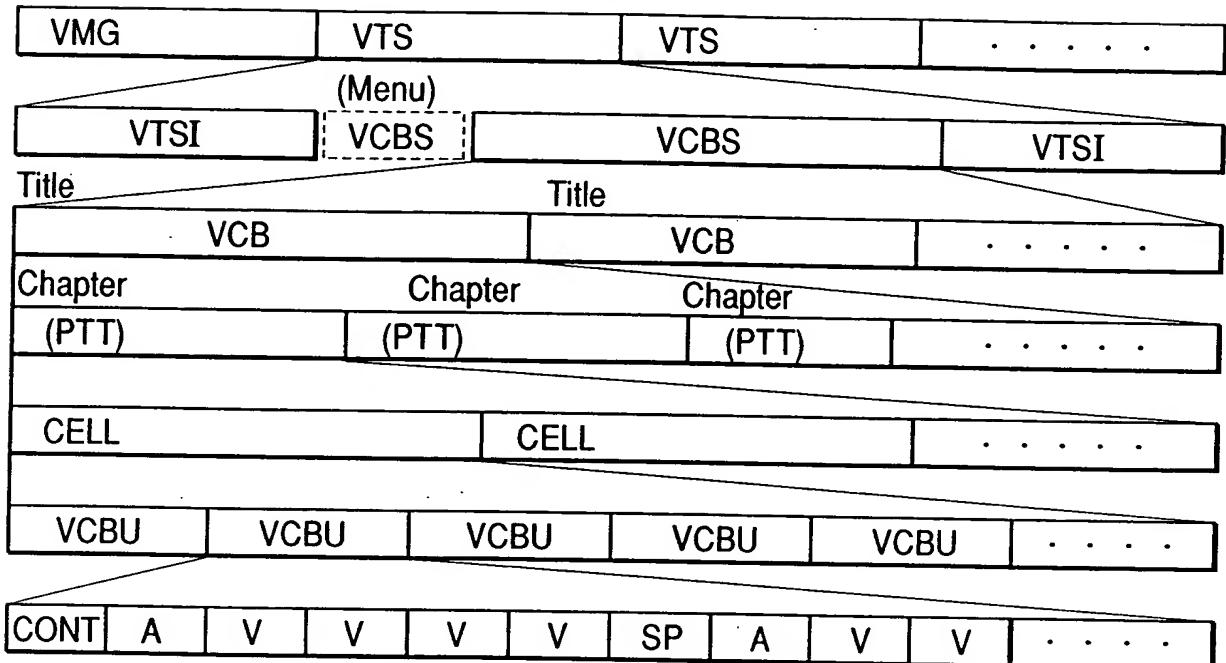


FIG. 2

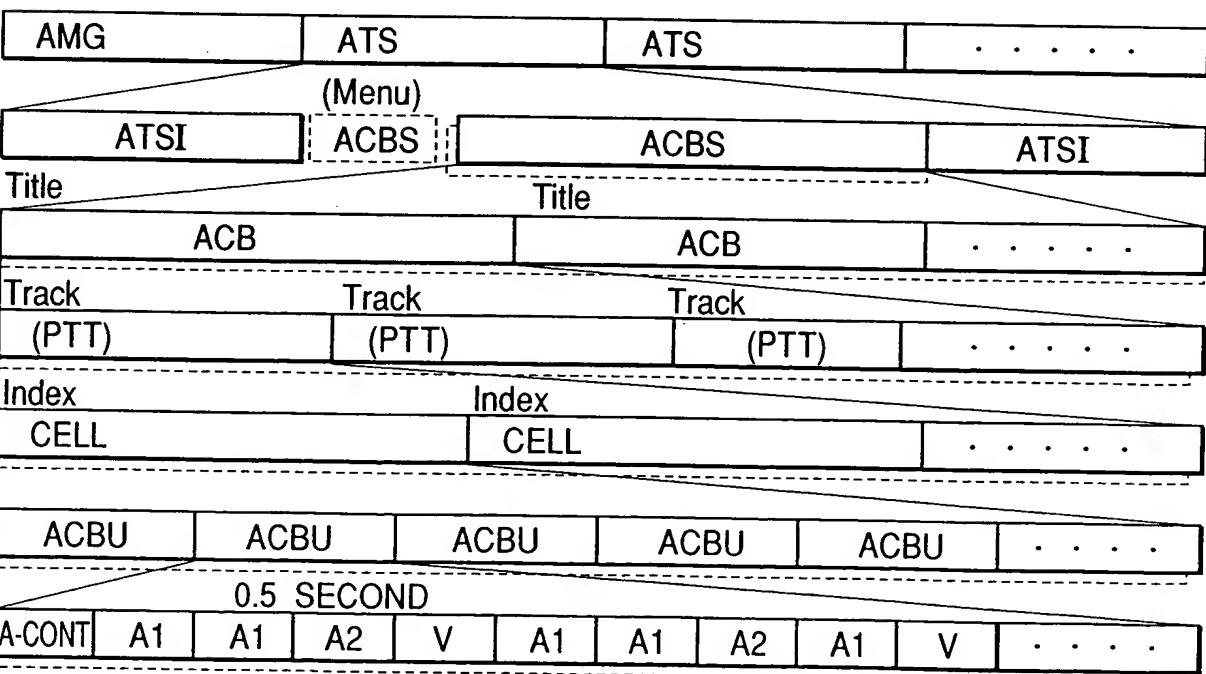
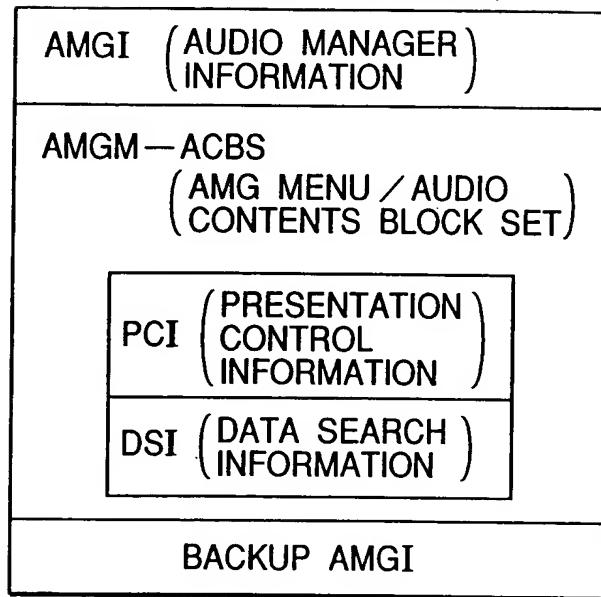


FIG. 3

AMG (AUDIO MANAGER)

**FIG. 4**

ATS (AUDIO TITLE SET)

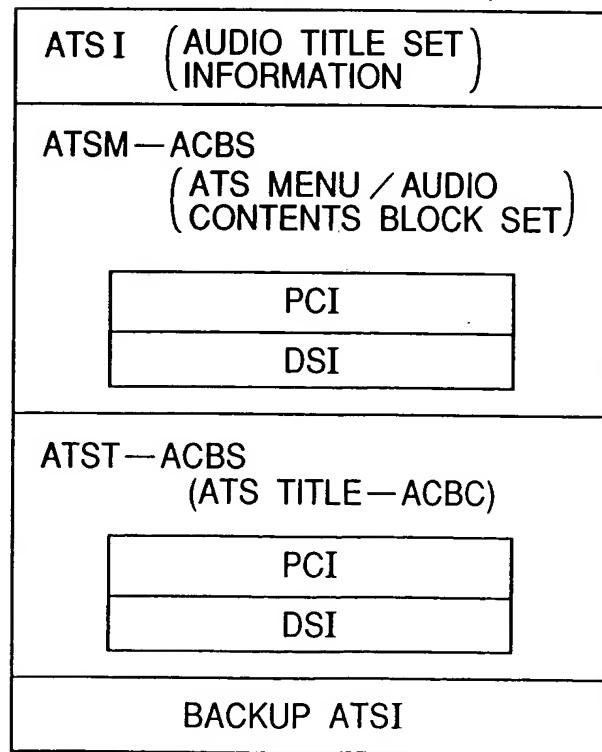
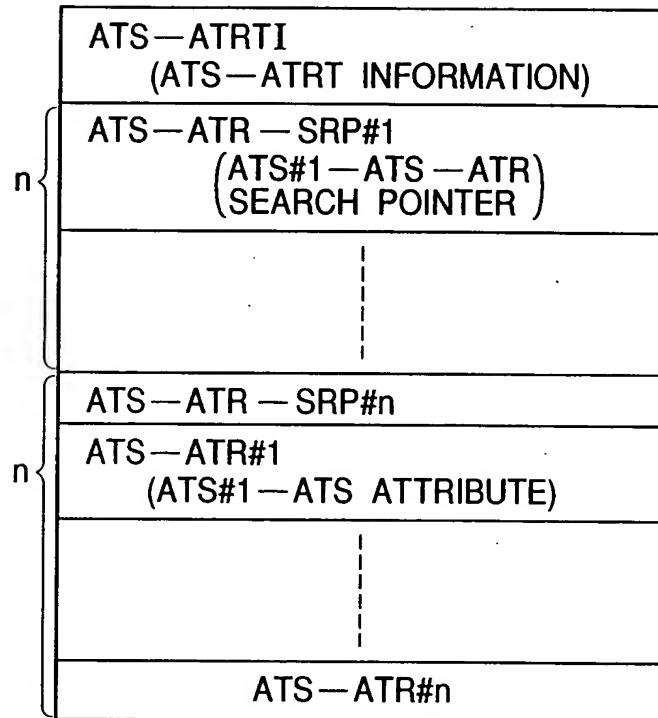


FIG. 5

AMGI (AUDIO MANAGER) INFORMATION

AMGI—MAT (AMGI MANAGEMENT TABLE)
T—SRPT (TITLE SEARCH POINTER TABLE)
AMGM—PGCI—UT (AUDIO MANAGER MENU) (PGCI UNIT TABLE)
PTL—MAIT (PARENTAL MANAGEMENT) (INFORMATION TABLE)
ATS—ATRT (AUDIO TITLE SET) (ATTRIBUTE TABLE)
TXTDT—MG (TEXT DATA MANAGER)
AMGM—C—ADT (AMGM CELL ADDRESS TABLE)
AMGM—ACBU—ADMAP (AMGM—ACBU—) (ADDRESS MAP)

*FIG. 6*ATS—ATRT (AUDIO TITLE SET)
(ATTRIBUTE TABLE)*FIG. 7*

ATS-ATR (ATS ATTRIBUTE)

ATS-ATR-EA (END ADDRESS)	4 BYTES
ATS-CAT (CATEGORY)	4 BYTES
ATS-ATR I (ATS-ATR INFORMATION)	768 BYTES

FIG. 8**ATSI (AUDIO TITLE SET)
INFORMATION**

ATSI—MAT (ATSI MANAGEMENT TABLE)
ATS—PTT—SRPT (ATS PART OF TITLE SEARCH POINTER TABLE)
ATS—PGCIT (ATS PROGRAM CHAIN INFORMATION TABLE)
ATSM—PGCI—UT (ATS MENU PROGRAM CHAIN UNIT TABLE)
ATS—TMAPT (ATS TIME MAP TABLE)
ATSM—C—ADT (ATS MENU CELL ADDRESS TABLE)
ATSM—ACBU—ADMAP (ATS MENU ACBU ADDRESS MAP)
ATS—C—ADT (ATS CELL ADDRESS TABLE)
ATS—ACBU—ADMAP (ATS—ACBU—ADDRESS MAP)

FIG. 9

ATSI—MAT
(ATSI MANAGEMENT TABLE)

ATS—ID (IDENTIFIER)	
ATS—EA (END ADDRESS)	
ATSI—EA	
VERN (VERSION NUMBER)	
ATS—CAT (CATEGORY)	
ATSI—MAT—EA	
ATSM—ACBS—SA (START ADDRESS)	
ATSA—ACBS—SA	
ATS—PTT—SRPT—SA	
ATS—PGCIT—SA	
ATSM—PGCI—UT—SA	
ATS—TMAPT—SA	
ATSM—C—ADT—SA	
ATSM—ACBU—ADMAP—SA	
~~~	
ATSM—AST—ATR (ATSM AUDIO STREAM) (ATTRIBUTE)	
ATS—AST—Ns (ATS AUDIO STREAM NUMBER)	
ATS—AST—ATRT (ATS AUDIO STREAM) (ATTRIBUTE TABLE)	
~~~~~	

FIG. 10

ATSM—AST—ATR (AUDIO TITLE SET MENU AUDIO)
 STREAM ATTRIBUTE DATA

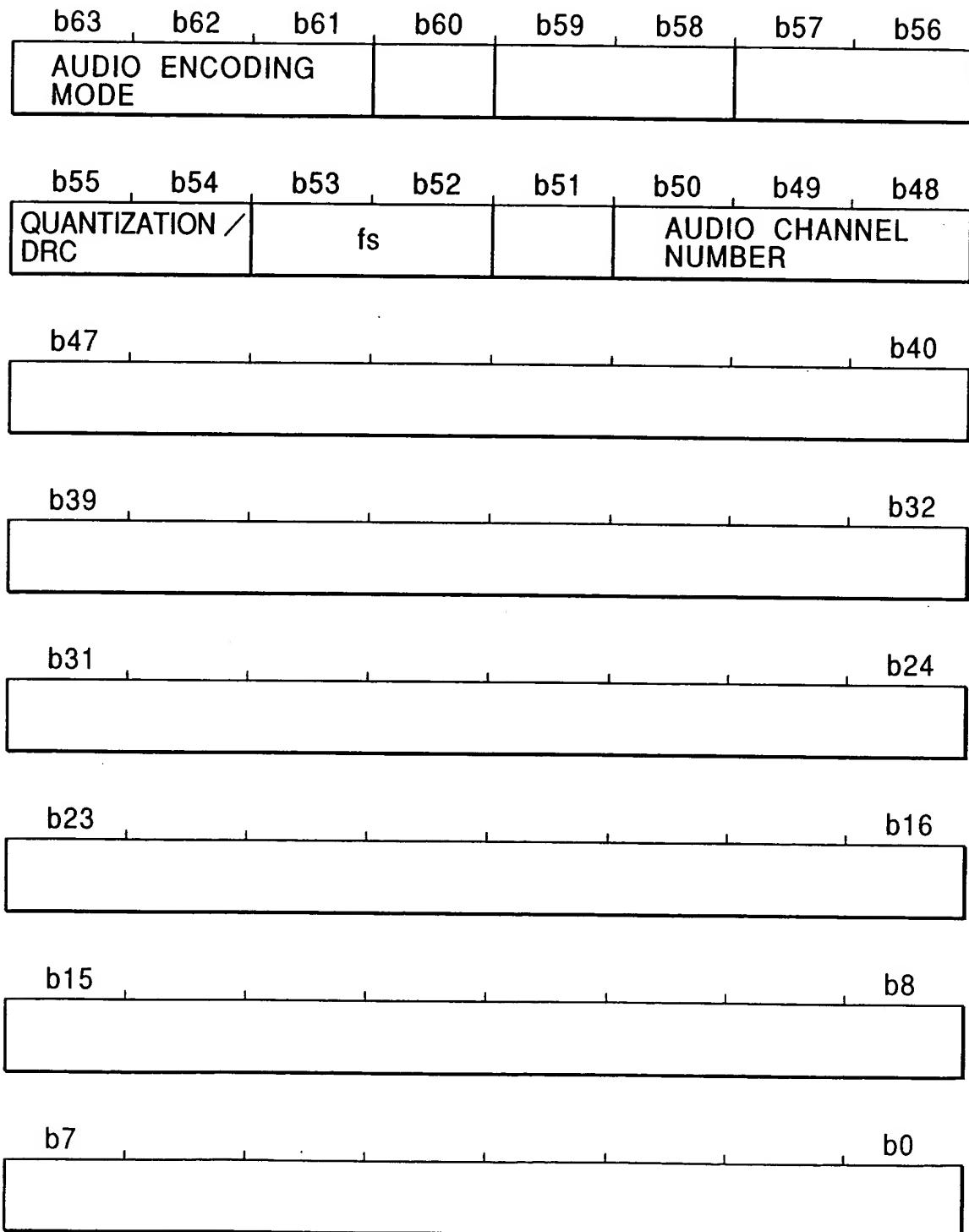


FIG. 11

ATS—AST—ATRT			
AUDIO STREAM	(AST) #0	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #1	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #2	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #3	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #4	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #5	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #6	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #7	ATS—AST—ATR	8 BYTES

FIG. 12

ATS—AST—ATR (AUDIO TITLE SET AUDIO
STREAM ATTRIBUTE DATA)

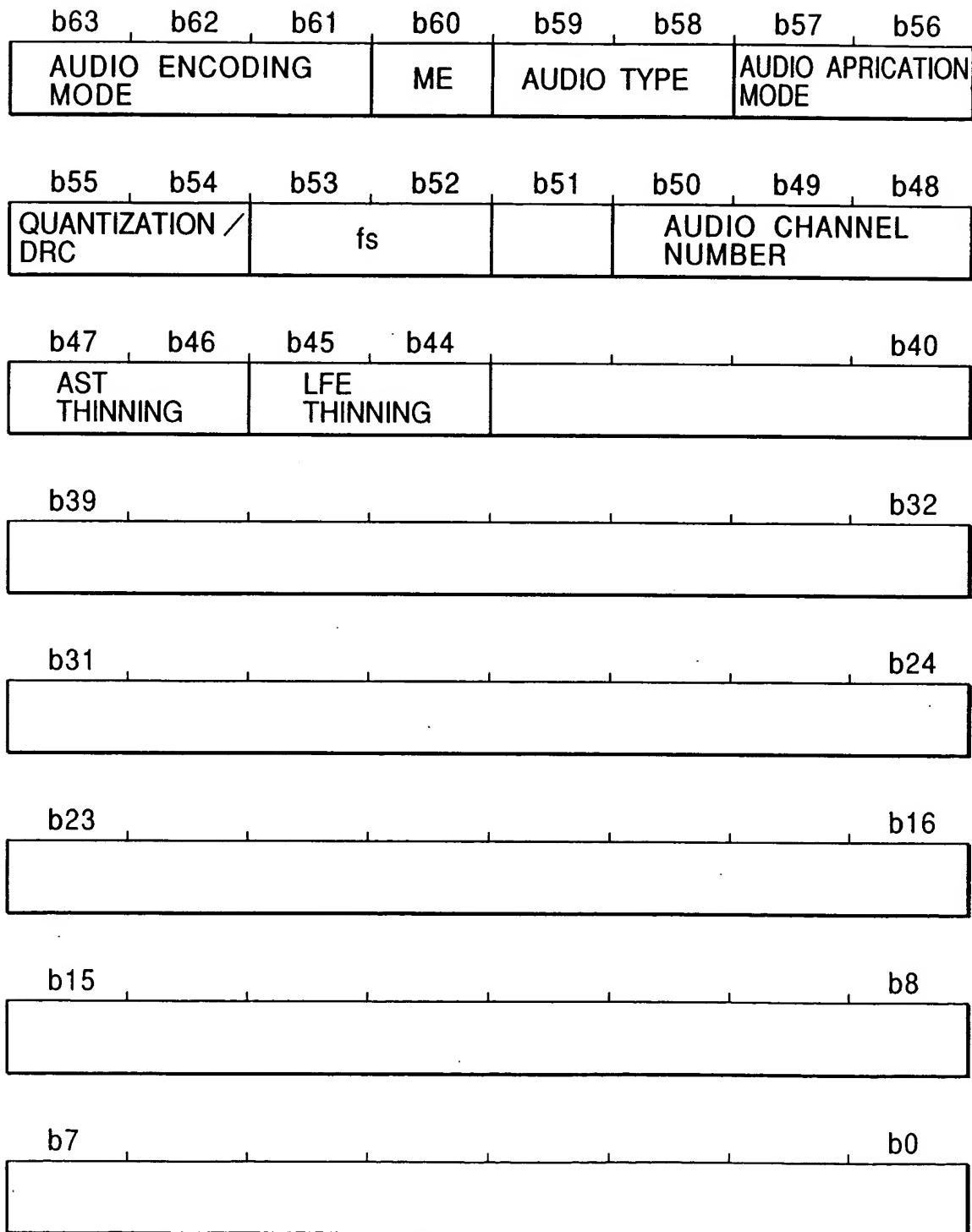


FIG. 13

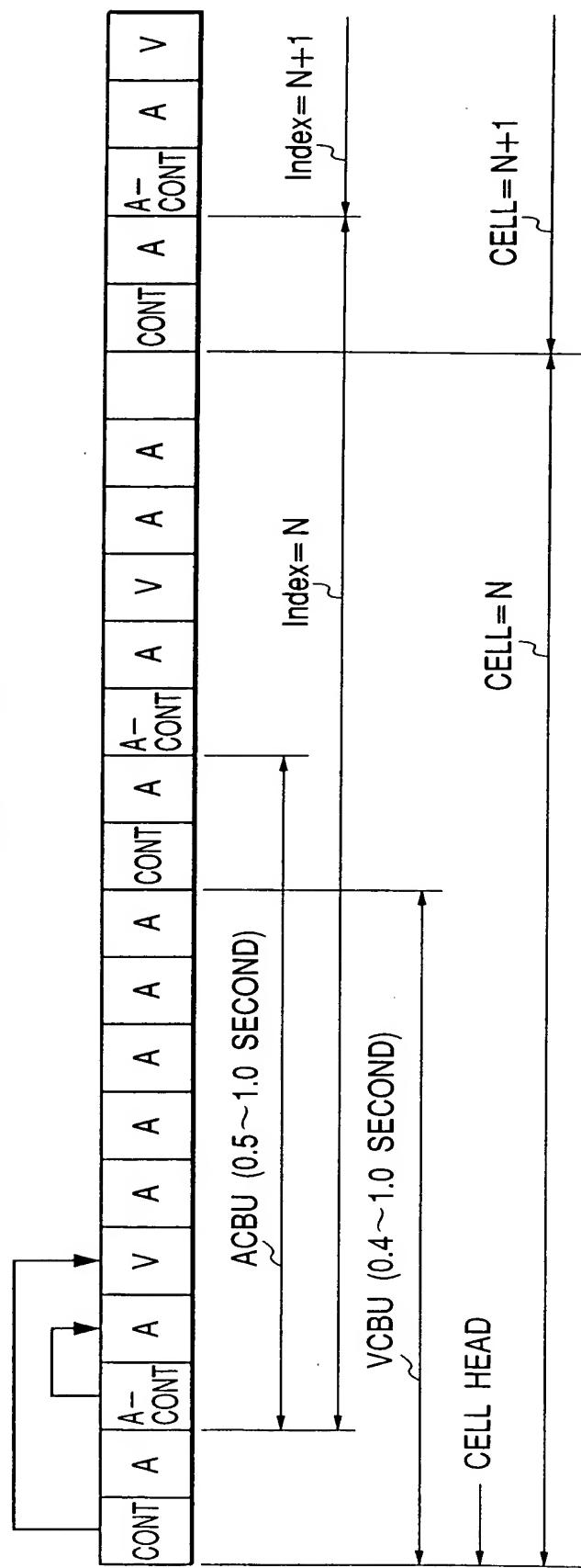


FIG. 14

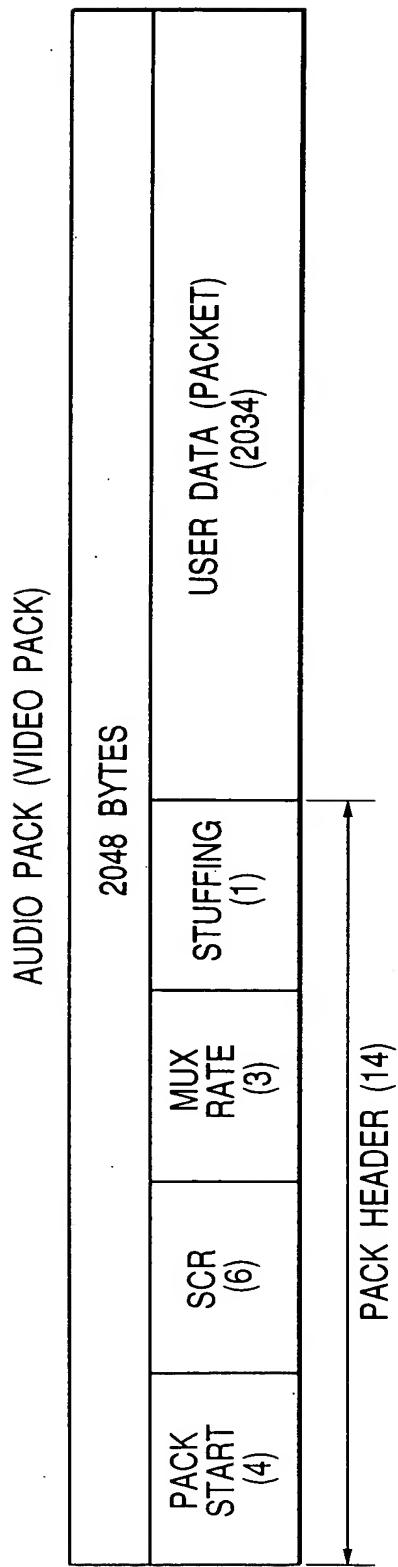


FIG. 15

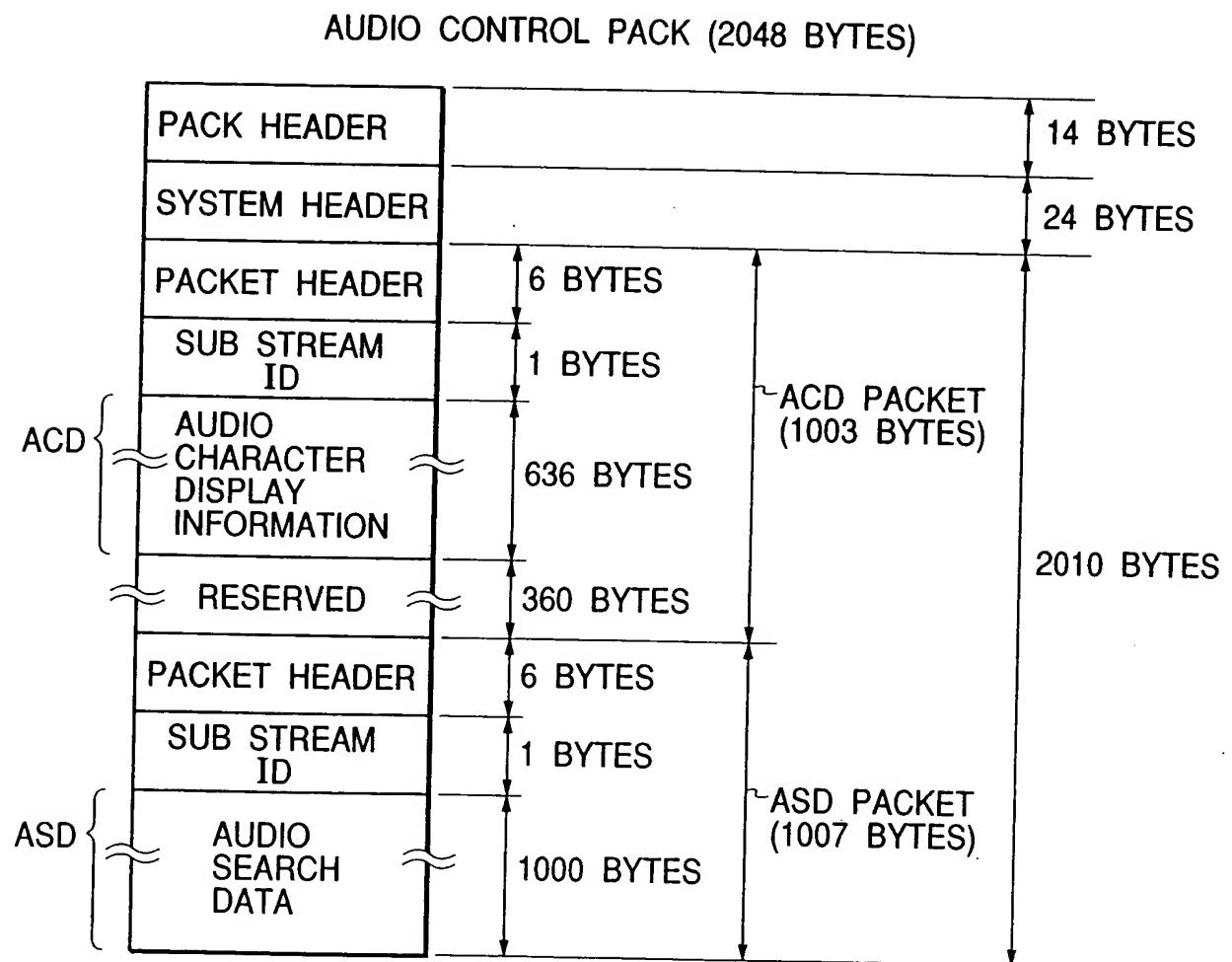


FIG. 16

ACD (636 BYTES)

GENERAL INFORMATION	48 BYTES	
NAME SPACE	93 BYTES	93 BYTES
FREE SPACE 1	93 BYTES	93 BYTES
FREE SPACE 2	93 BYTES	93 BYTES
DATA POINTER	15 BYTES	15 BYTES
TOTAL	294 BYTES	294 BYTES

FIRST LANGUAGE SECOND LANGUAGE

FIG. 17

キヨクモクカイセツ
前作のエディング曲
"FORGET-ME-NOT"

FIG. 18

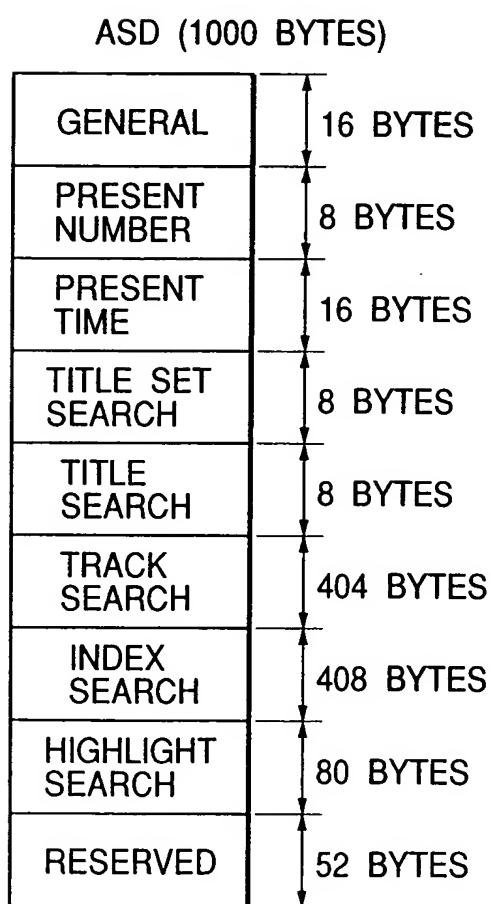


FIG. 19

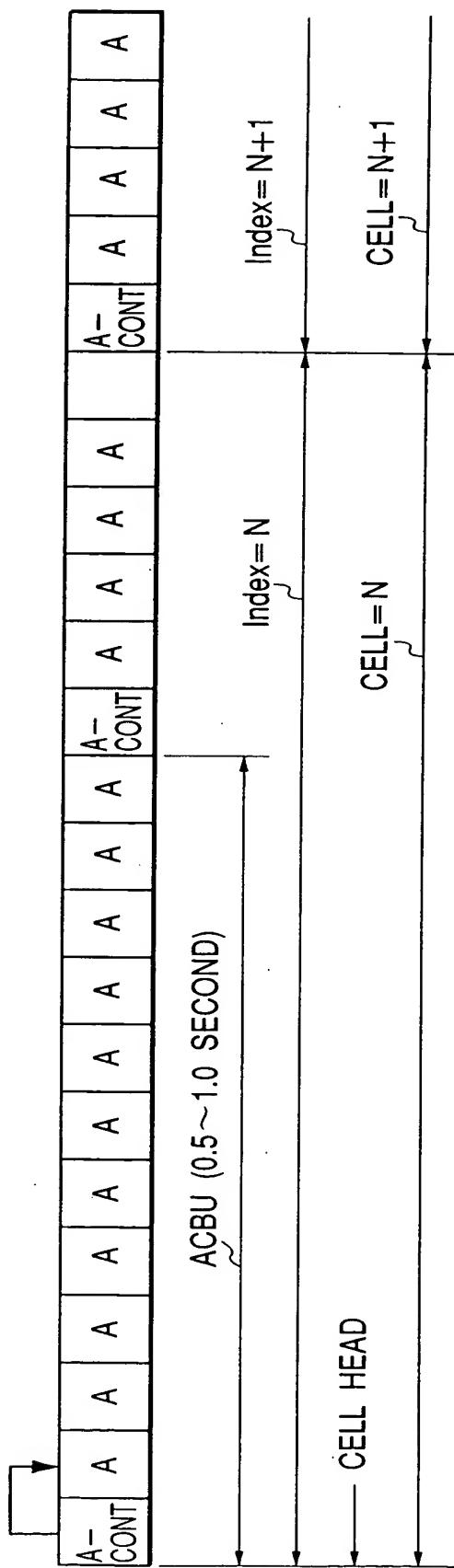


FIG. 20

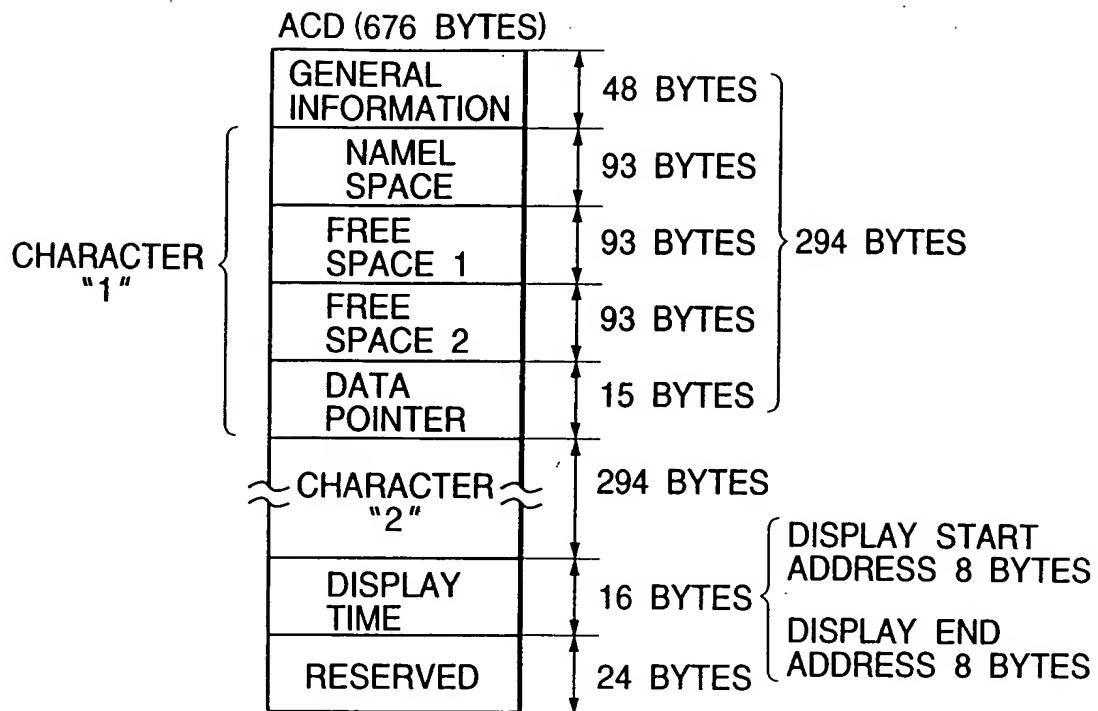


FIG. 21

ASD (1000 BYTES)

GENERAL INFORMATION	16 BYTES
PRESENT NO.	8 BYTES
PRESENT TIME	16 BYTES
TITLE SET SEARCH	8 BYTES
TITLE SEARCH	8 BYTES
TRACK SEARCH	404 BYTES
INDEX SEARCH	408 BYTES
HIGHLIGHT SEARCH	80 BYTES
RESERVED	52 BYTES

FIG. 22

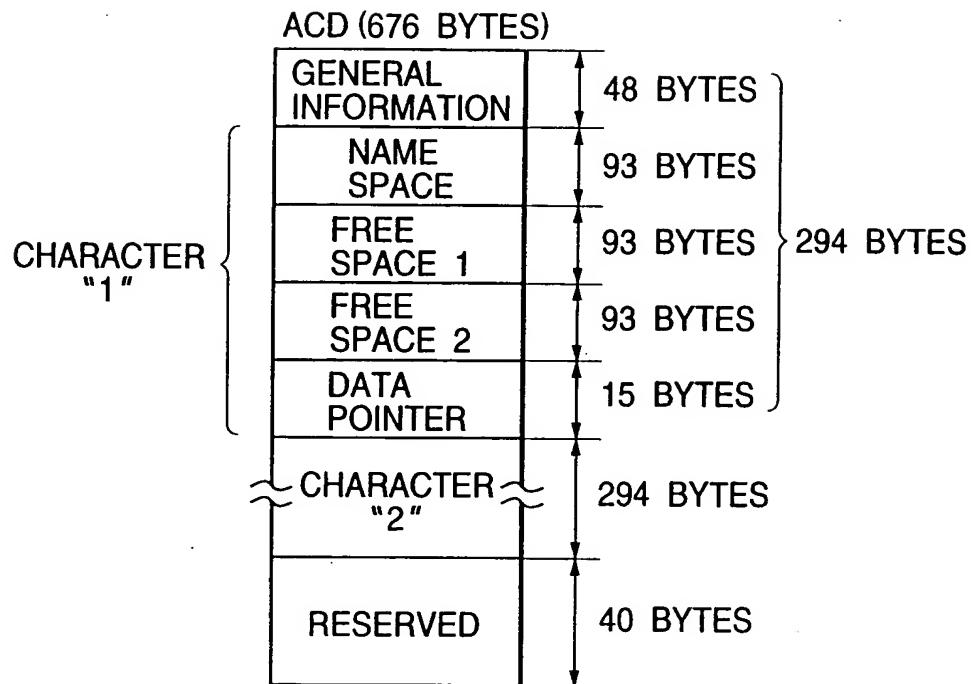


FIG. 23

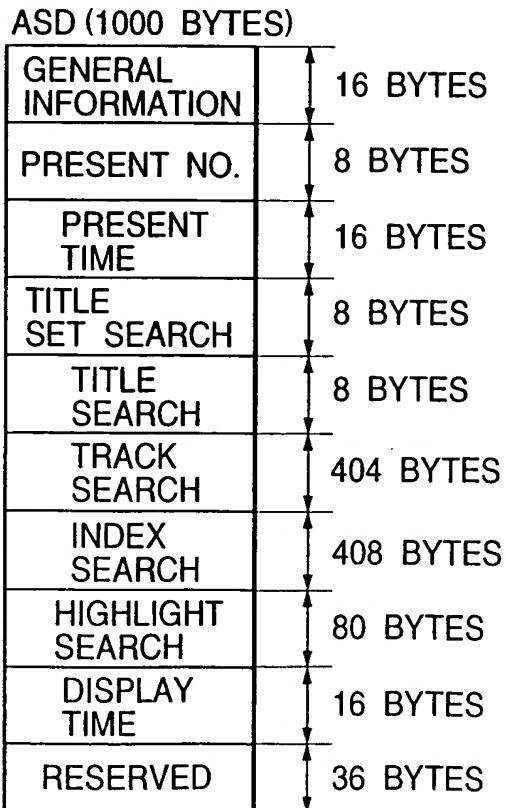


FIG. 24

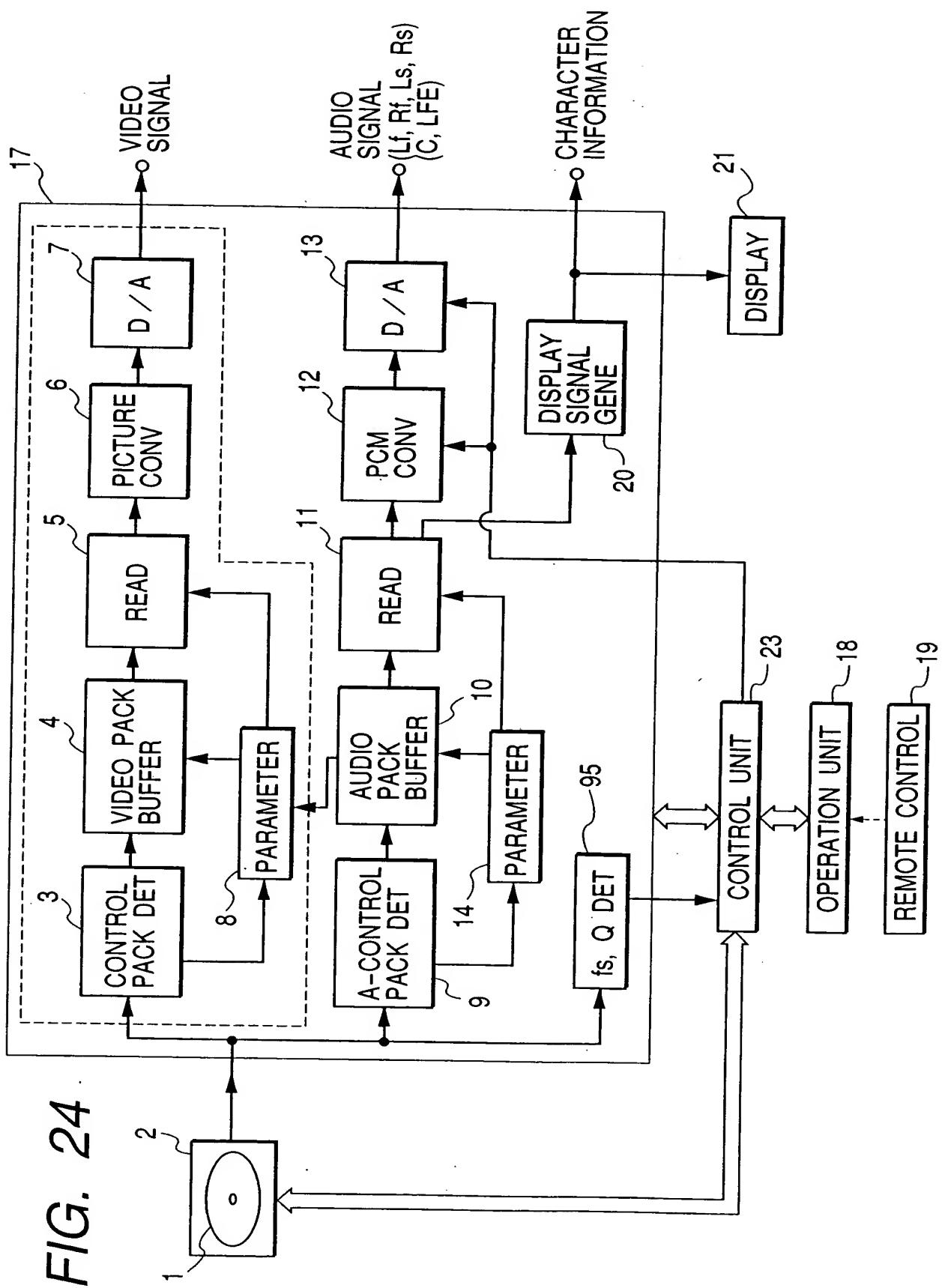


FIG. 25

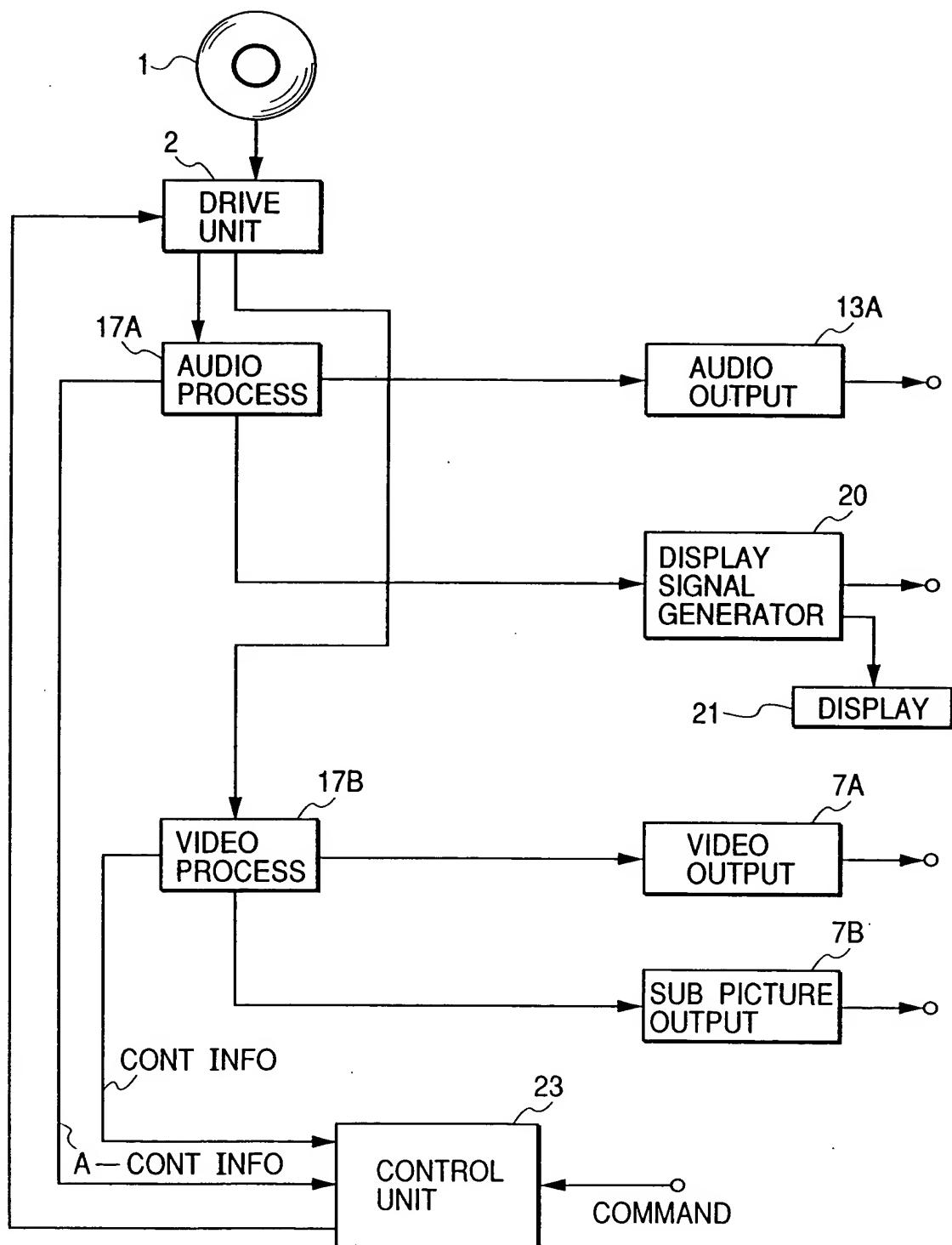


FIG. 26

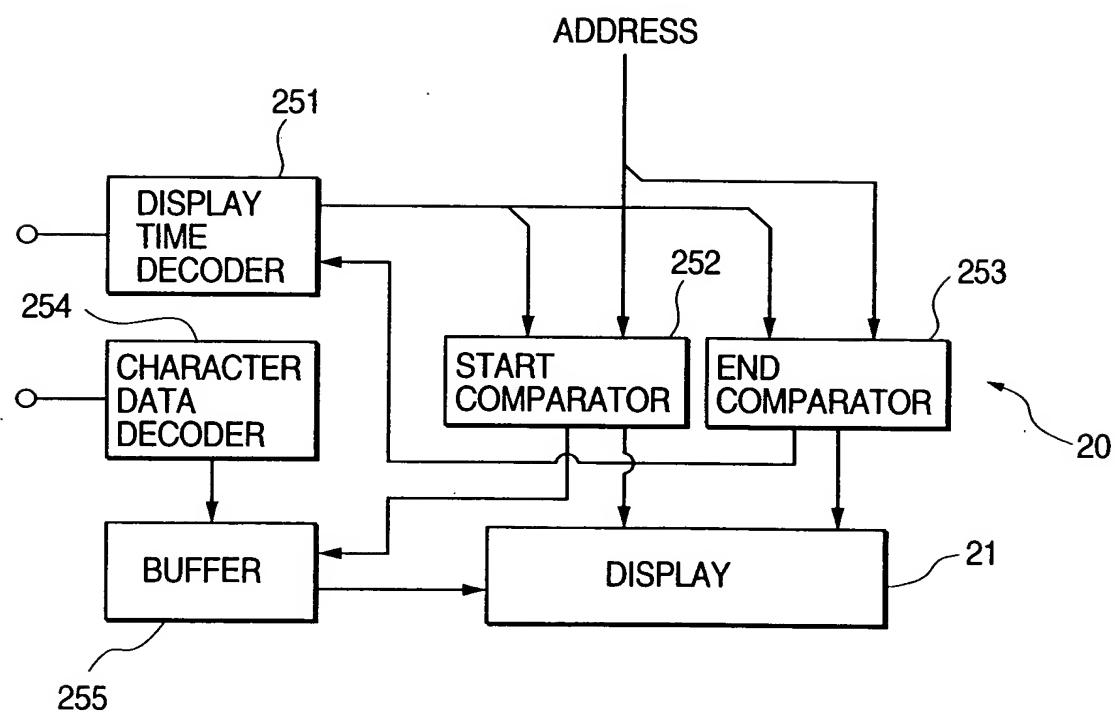


FIG. 27

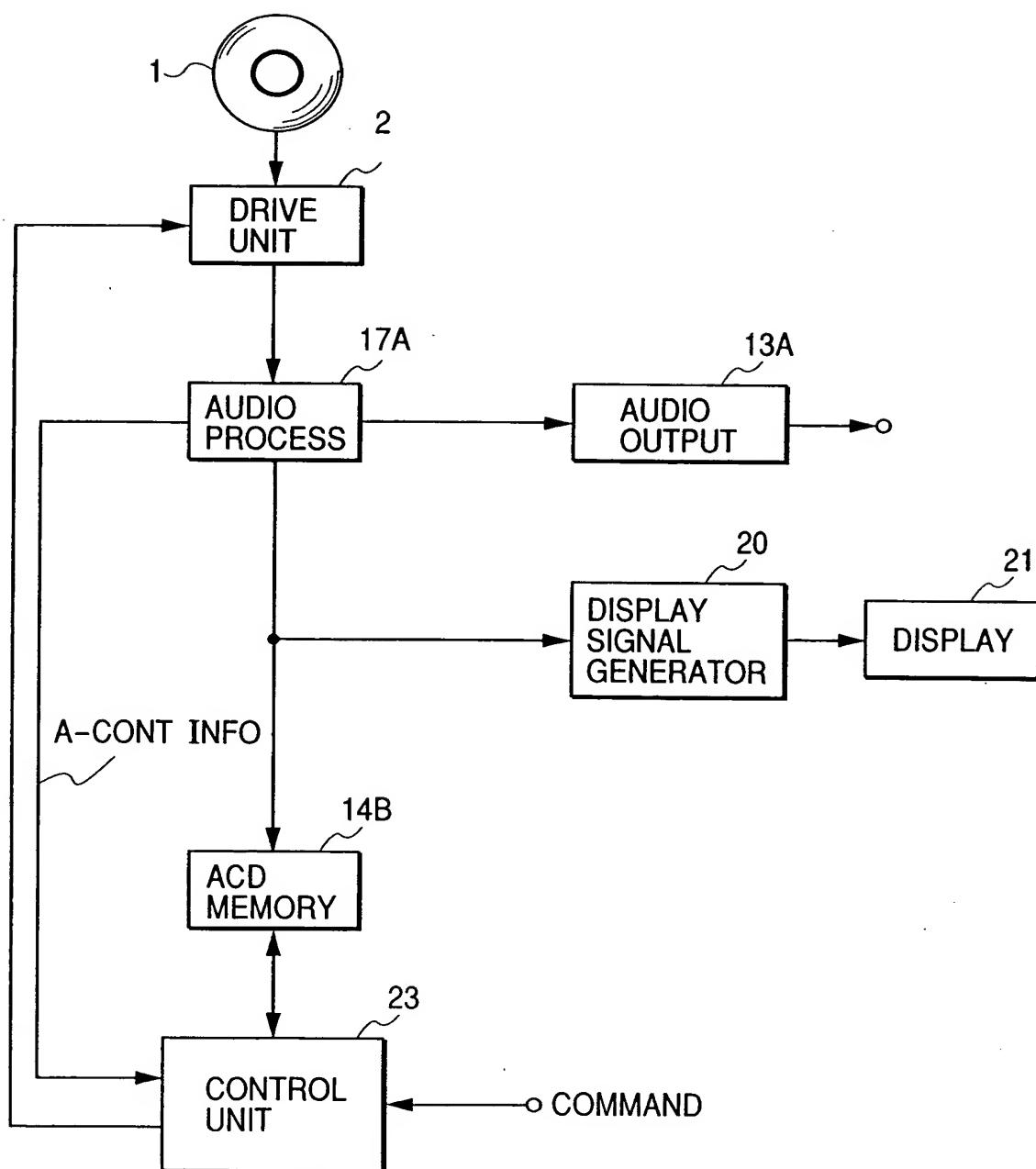


FIG. 28

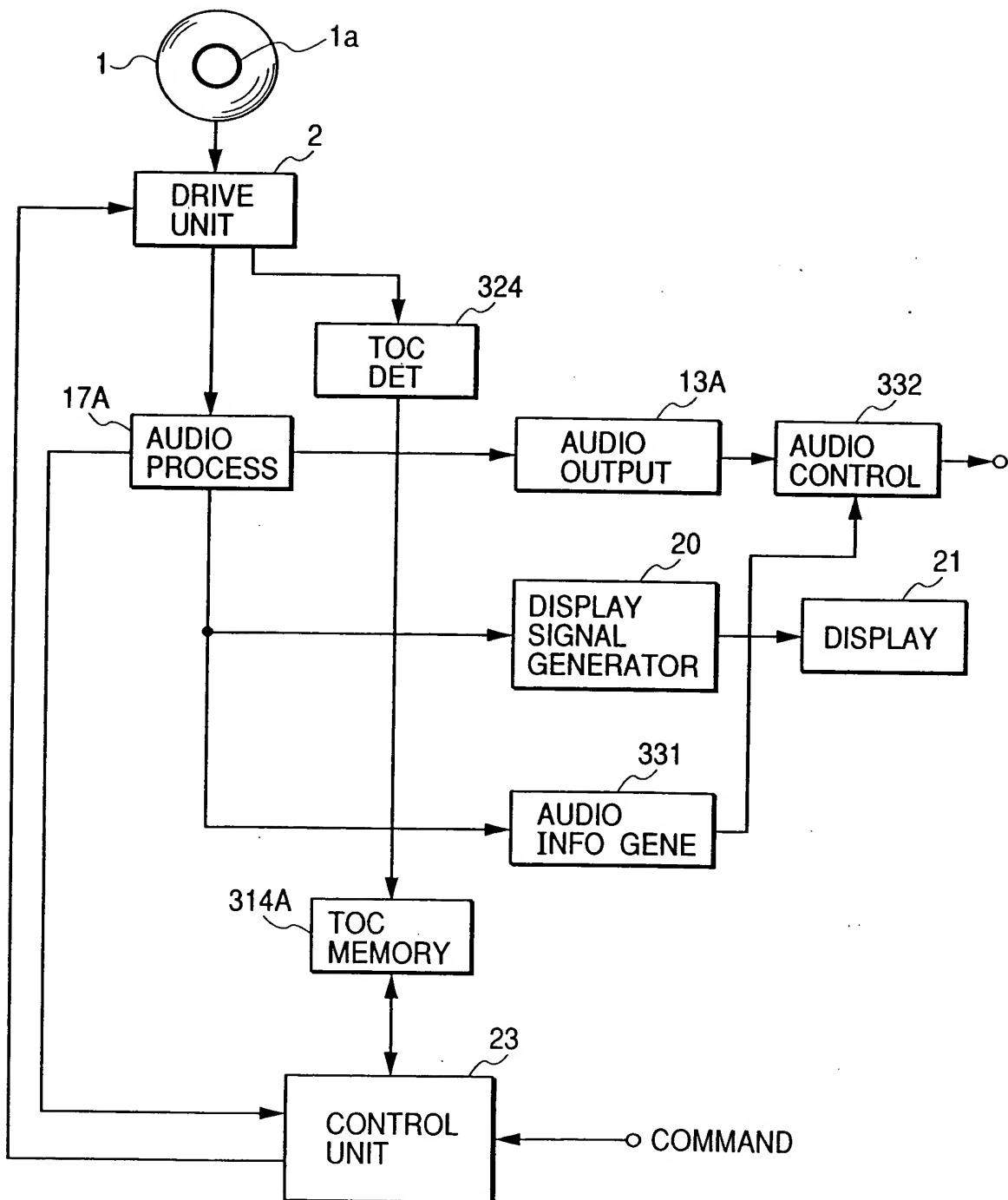


FIG. 29

AMGI(AUDIO MANAGER) INFORMATION
AMGI-MAT (AMGI MANAGEMENT TABLE)
T-SRPT (TITLE SEARCH POINTER TABLE)
AMGM-PGCI-UT (AUDIO MANAGER MENU PGCI UNIT TABLE)
PTL-MAIT (PARENTAL MANAGEMENT) INFORMATION TABLE
ATS-ATRT (AUDIO TITLE SET) ATTRIBUTE TABLE
TXTDT-MG (TEXT DATA MANAGER)
AMGM-C-ADT (AMGM CELL ADDRESS TABLE)
AMGM-ACBU-ADMAP (AMGM-ACBU-ADDRESS MAP)
TOC

FIG. 30

FRAME NUMBER	POINT	PMIN, PSEC, PFRAME		
n	01	00,	02,	32
n+1	01	00,	02,	32
n+2	01	00,	02,	32
n+3	02	10,	15,	12
n+4	02	10,	15,	12
n+5	02	10,	15,	12
n+6	03	16,	28,	63
n+7	03	16,	28,	63
n+8	03	16,	28,	63
n+9	04	.	.	.
n+10	04	.	.	.
n+11	04	.	.	.
n+12	05	.	.	.
n+13	05	.	.	.
n+14	05	.	.	.
n+15	06	49,	10,	03
n+16	06	49,	10,	03
n+17	06	49,	10,	03
n+18	A0	01,	00,	00
n+19	A0	01,	00,	00
n+20	A0	01,	00,	00
n+21	A1	06,	00,	00
n+22	A1	06,	00,	00
n+23	A1	06,	00,	00
n+24	A2	52,	48,	41
n+25	A2	52,	48,	41
n+26	A2	52,	48,	41
n+27	01	00,	02,	32
n+28	01	00,	02,	32
.
.
.

1 SET

FIG. 31

ATSI (AUDIO TITLE SET) INFORMATION
ATSI-MAT (ATSI MANAGEMENT TABLE)
ATS-PTT-SRPT (ATS PART OF TITLE SEARCH POINTER TABLE)
ATS-PGCIT (ATS PROGRAM CHAIN) INFORMATION TABLE
ATSM-PGCI-UT (ATS MENU PROGRAM CHAIN) UNIT TABLE
ATS-TMAPT (ATS TIME MAP TABLE)
ATSM-C-ADT (ATS MENU CELL) ADDRESS TABLE
ATSM-ACBU-ADMAP (ATS MENU ACBU) ADDRESS MAP
ATS-C-ADT (ATS CELL ADDRESS TABLE)
ATS-ACBU-ADMAP (ATS-ACBU-ADDRESS MAP)
TOC

FIG. 32

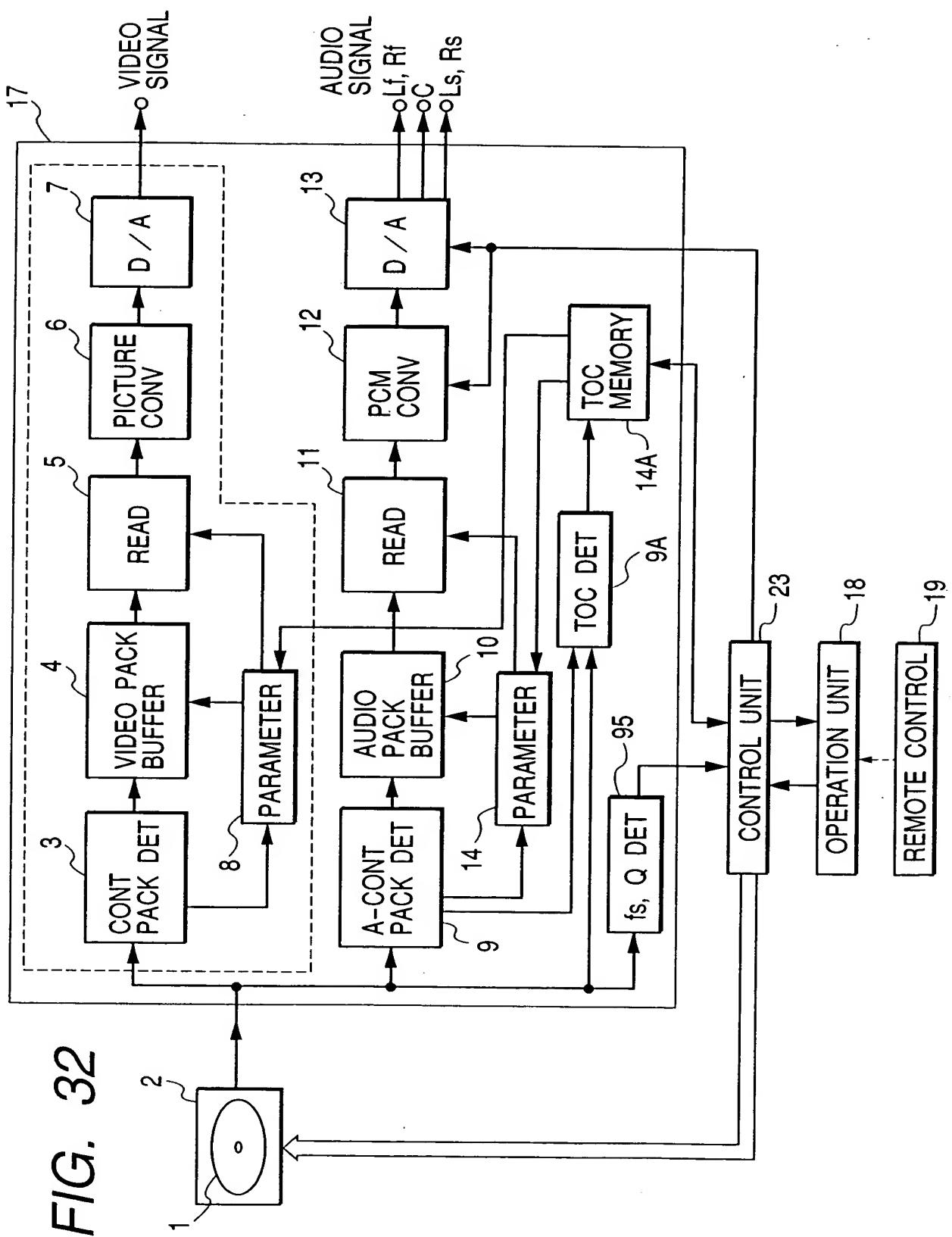


FIG. 33

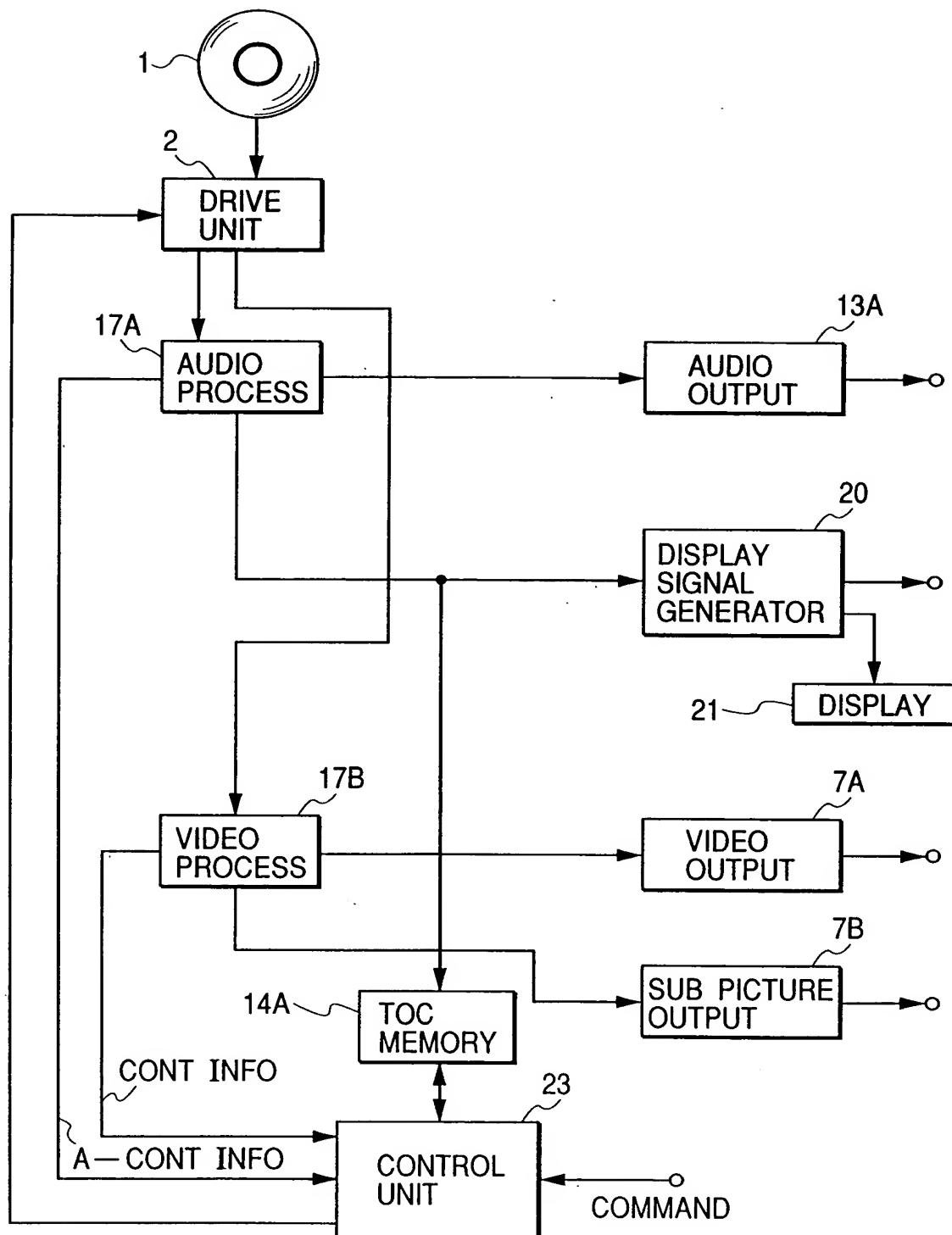


FIG. 34

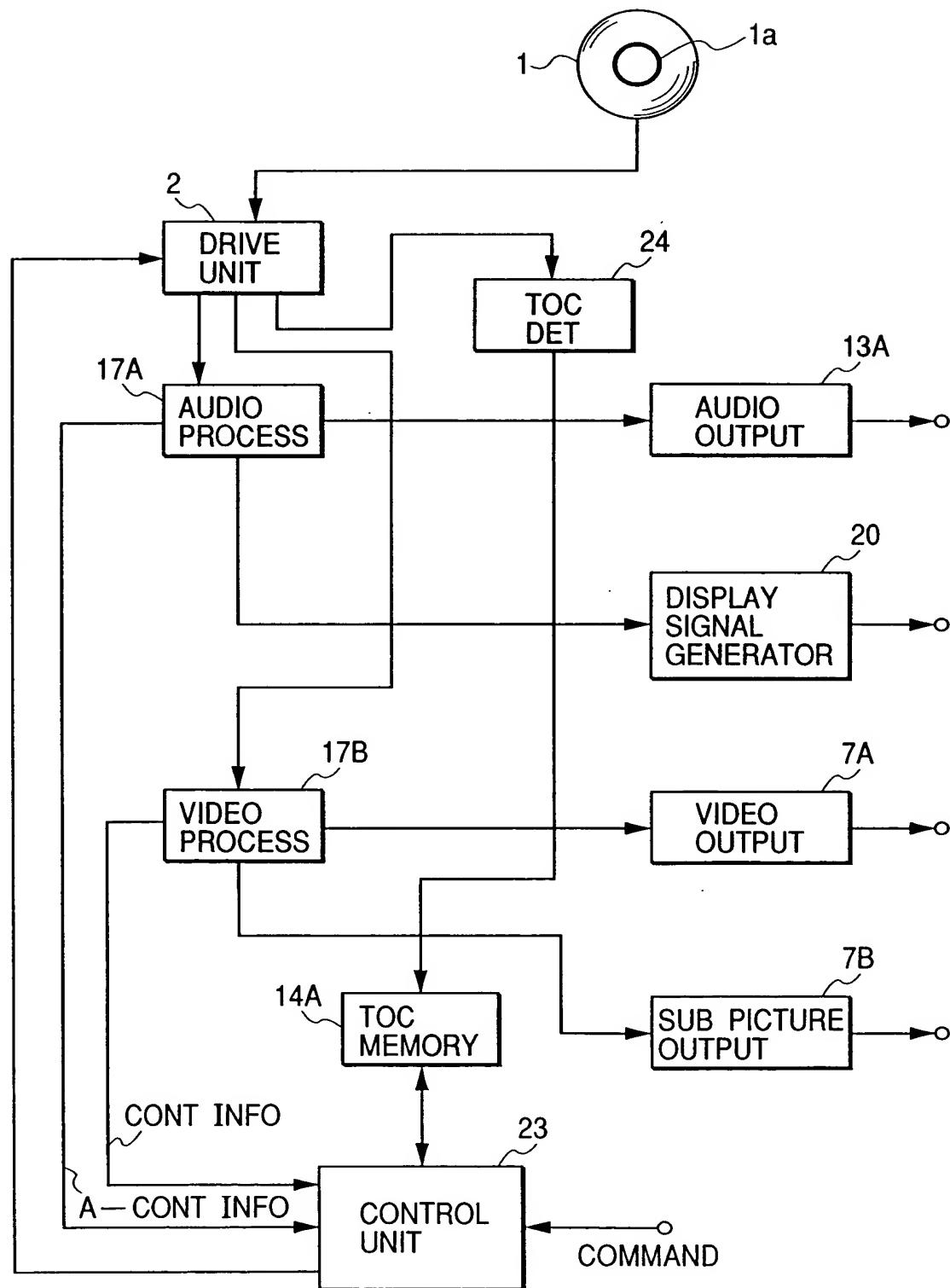


FIG. 35

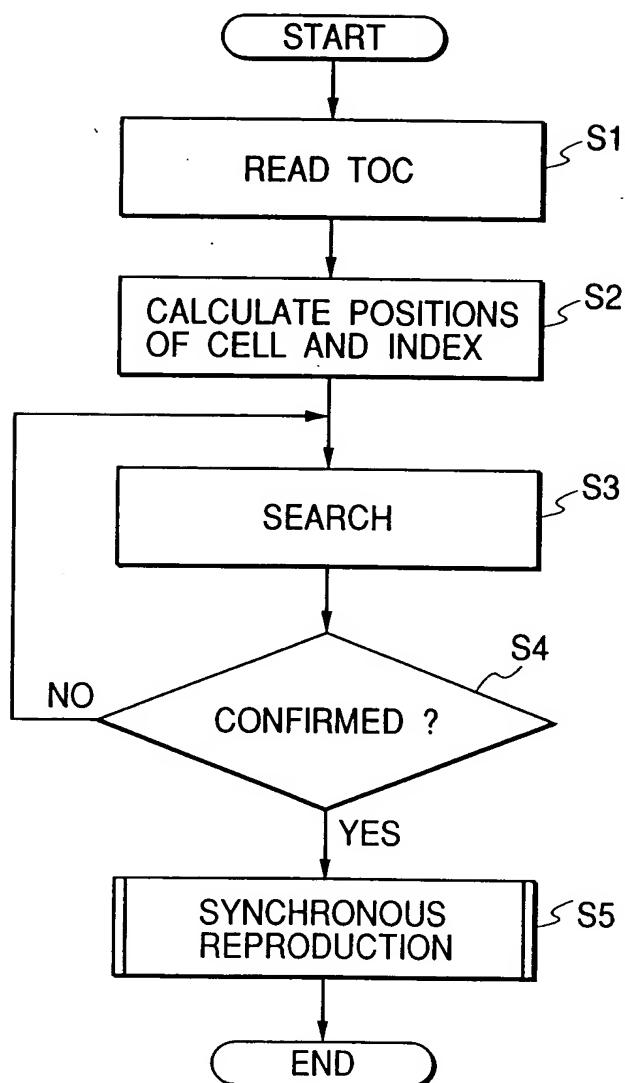


FIG. 36

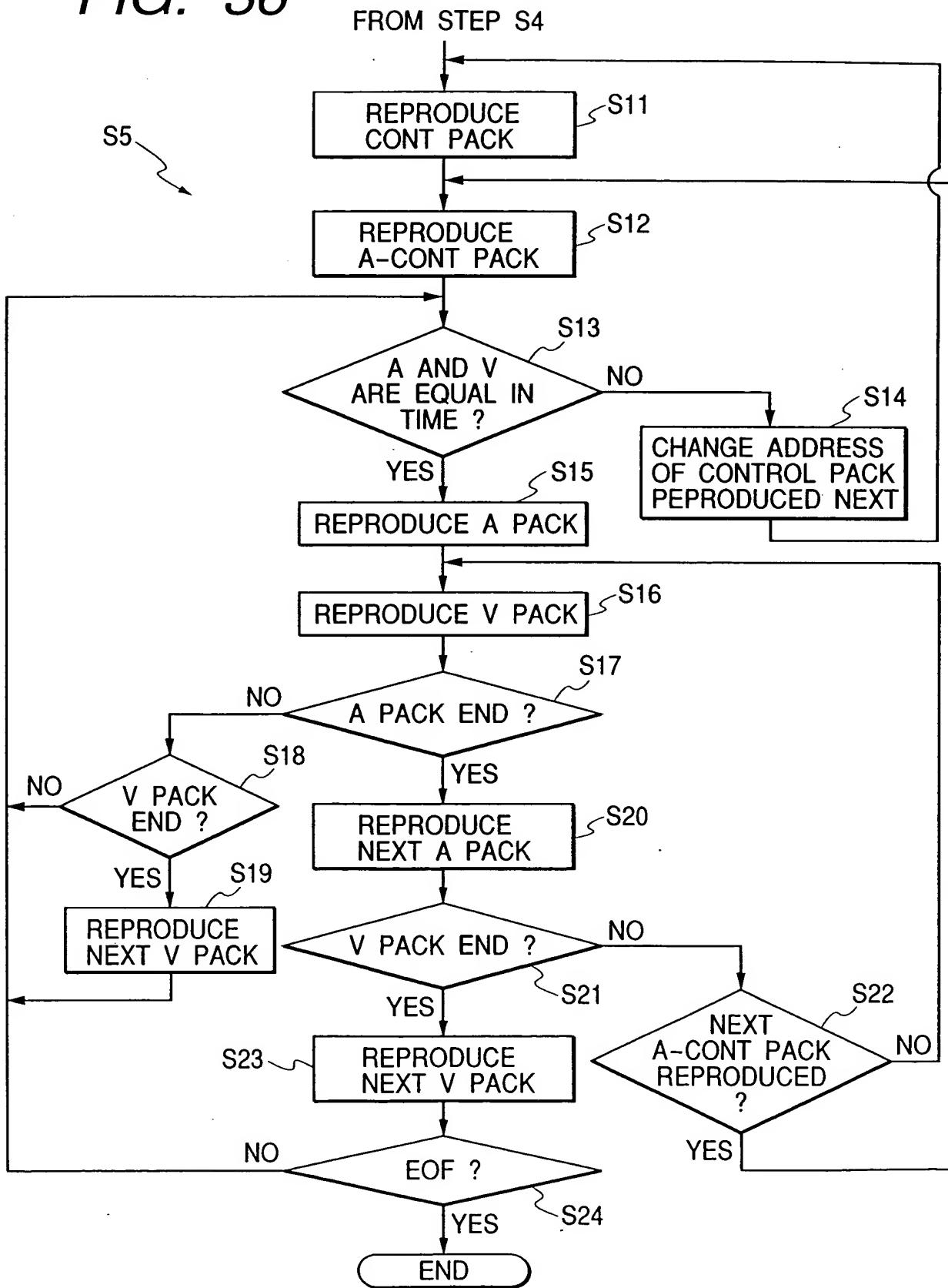


FIG. 37

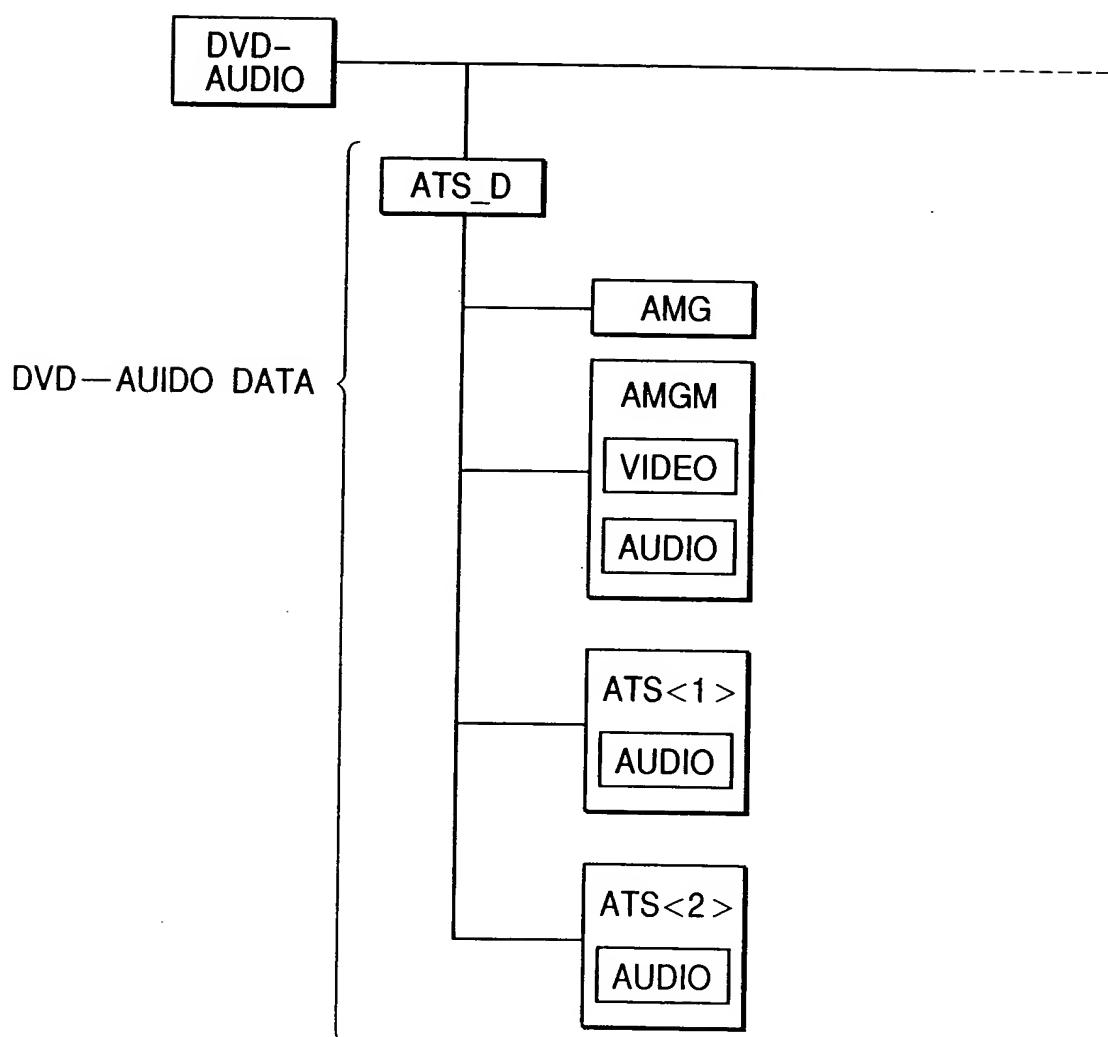


FIG. 38

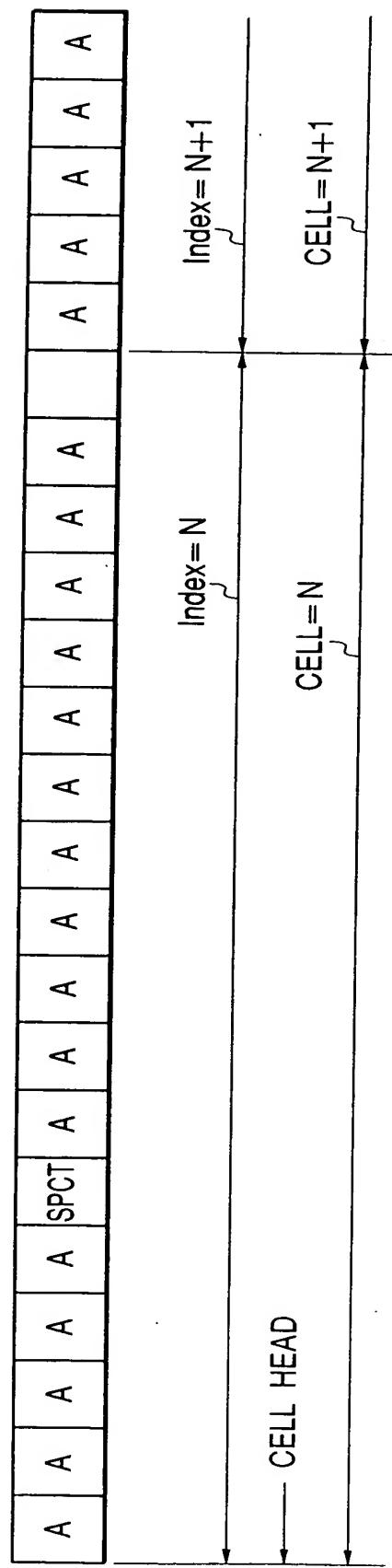


FIG. 39

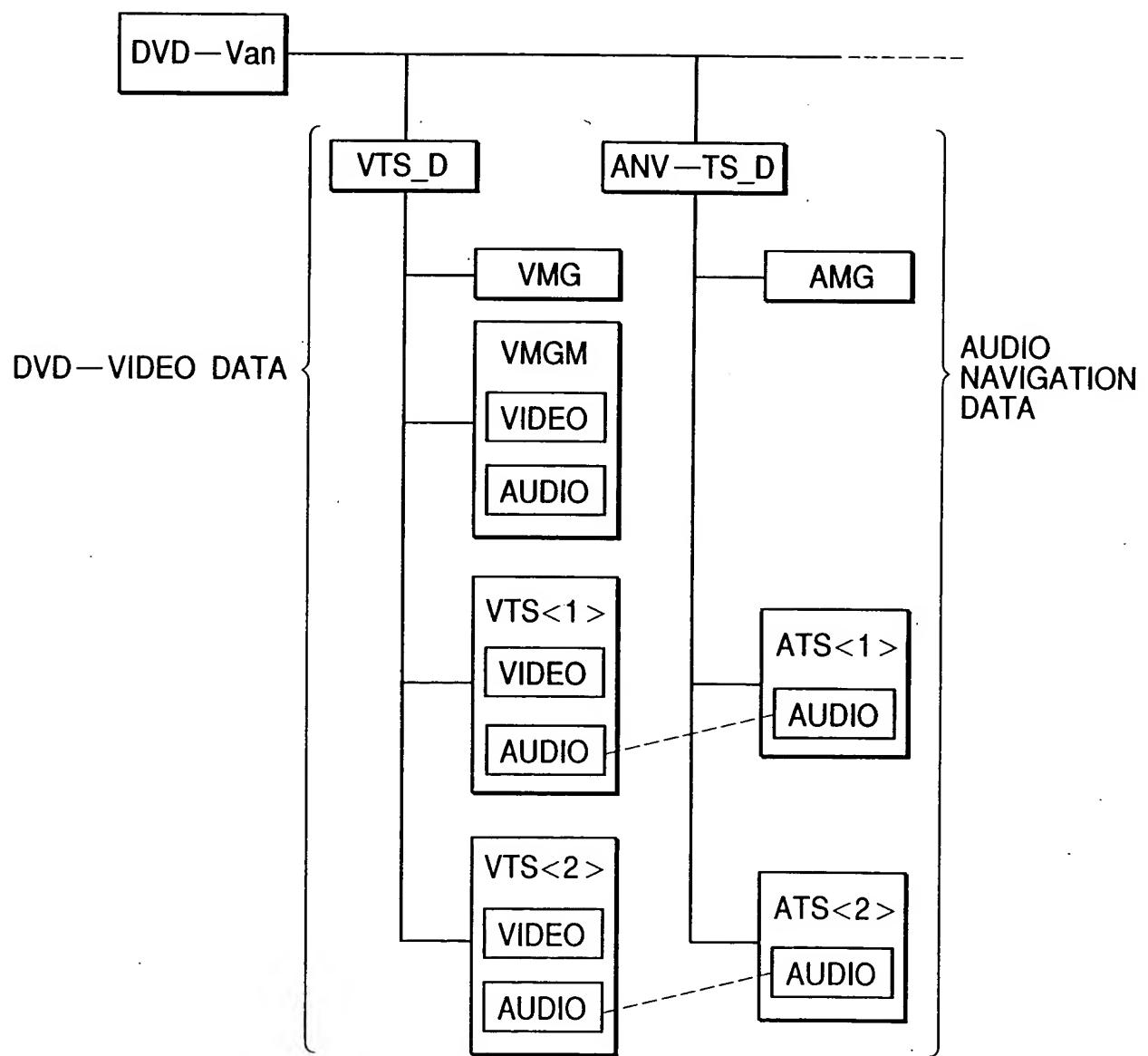


FIG. 40

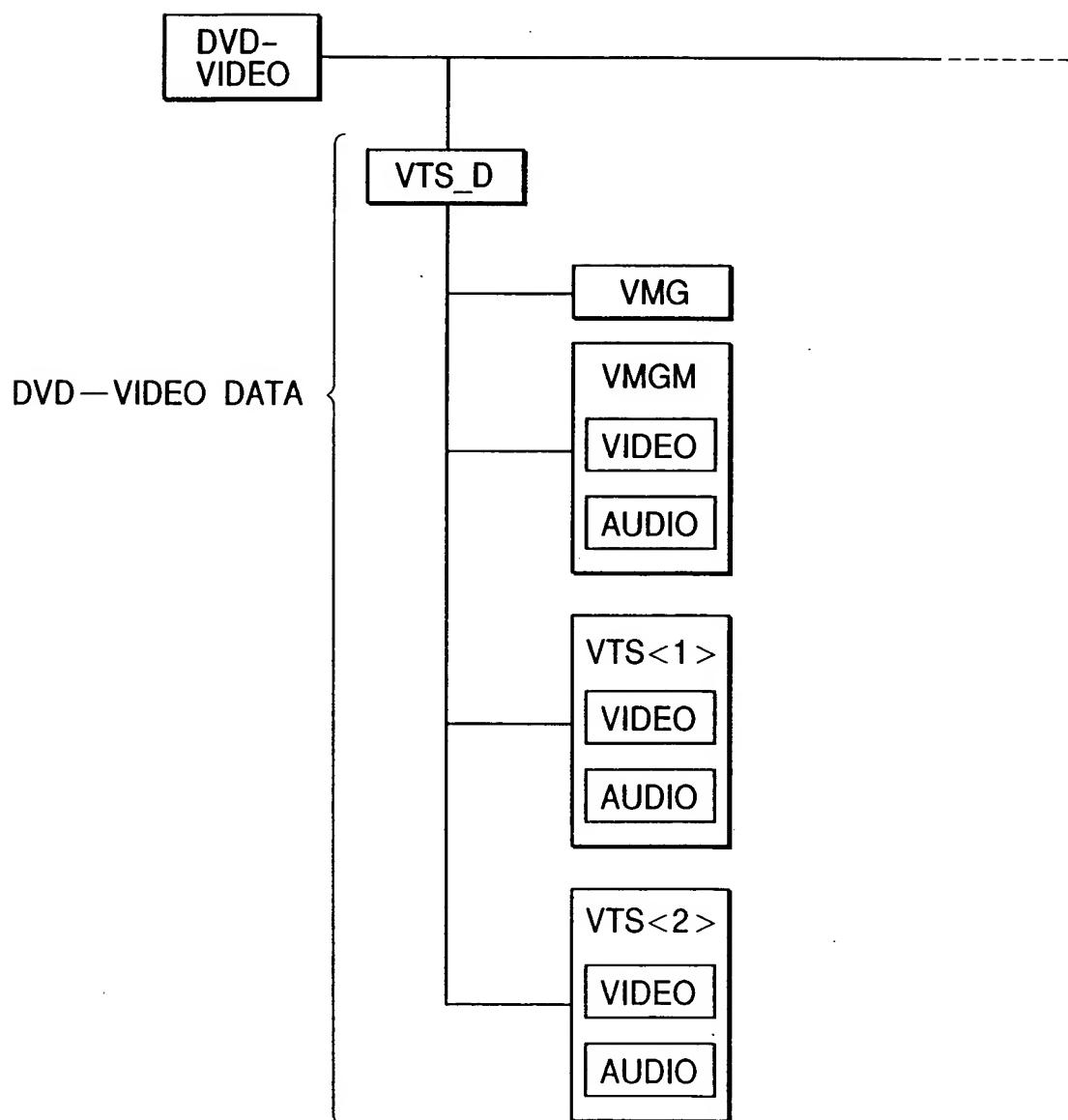


FIG. 41

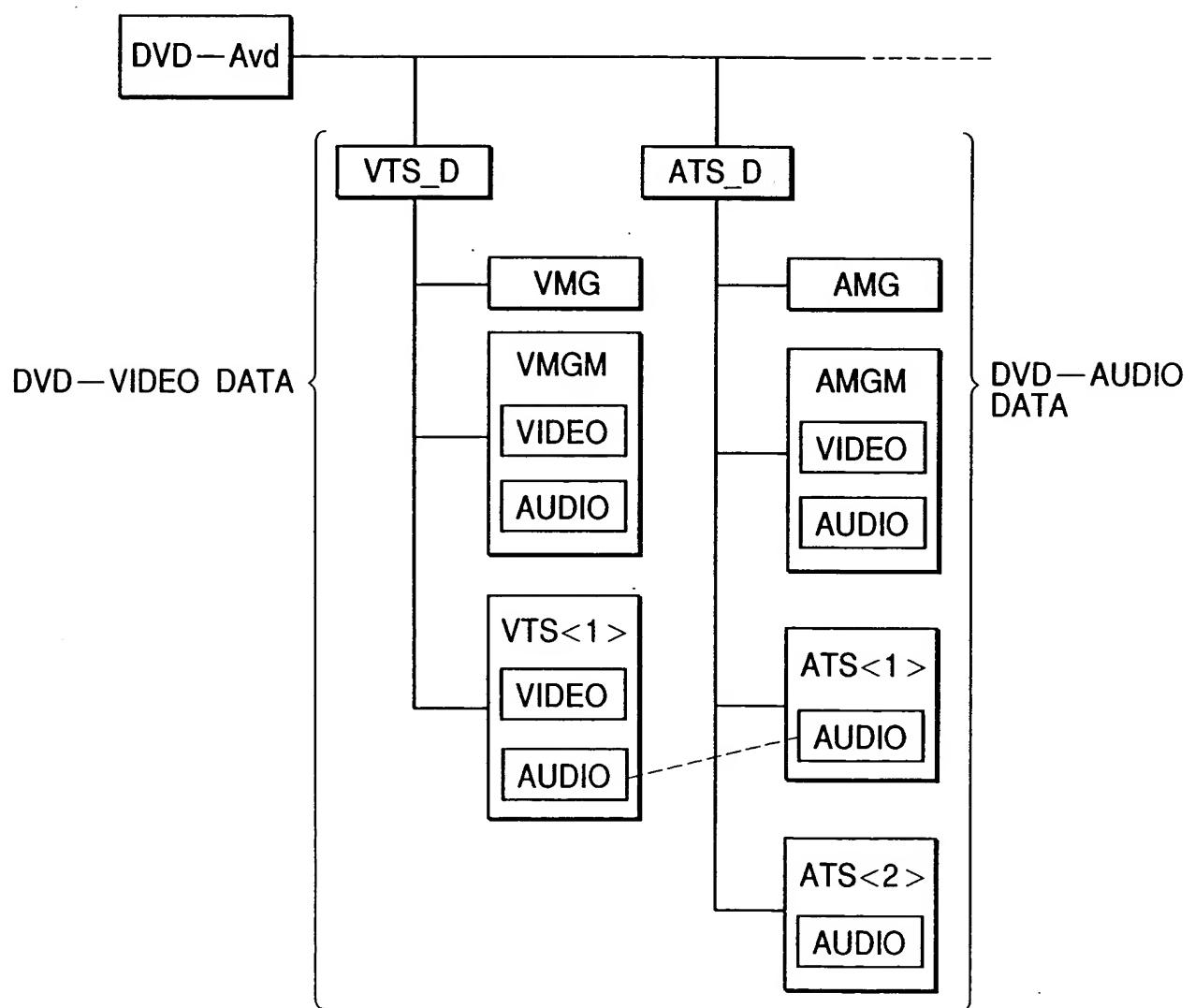


FIG. 42

AOTT—AOB—ATR

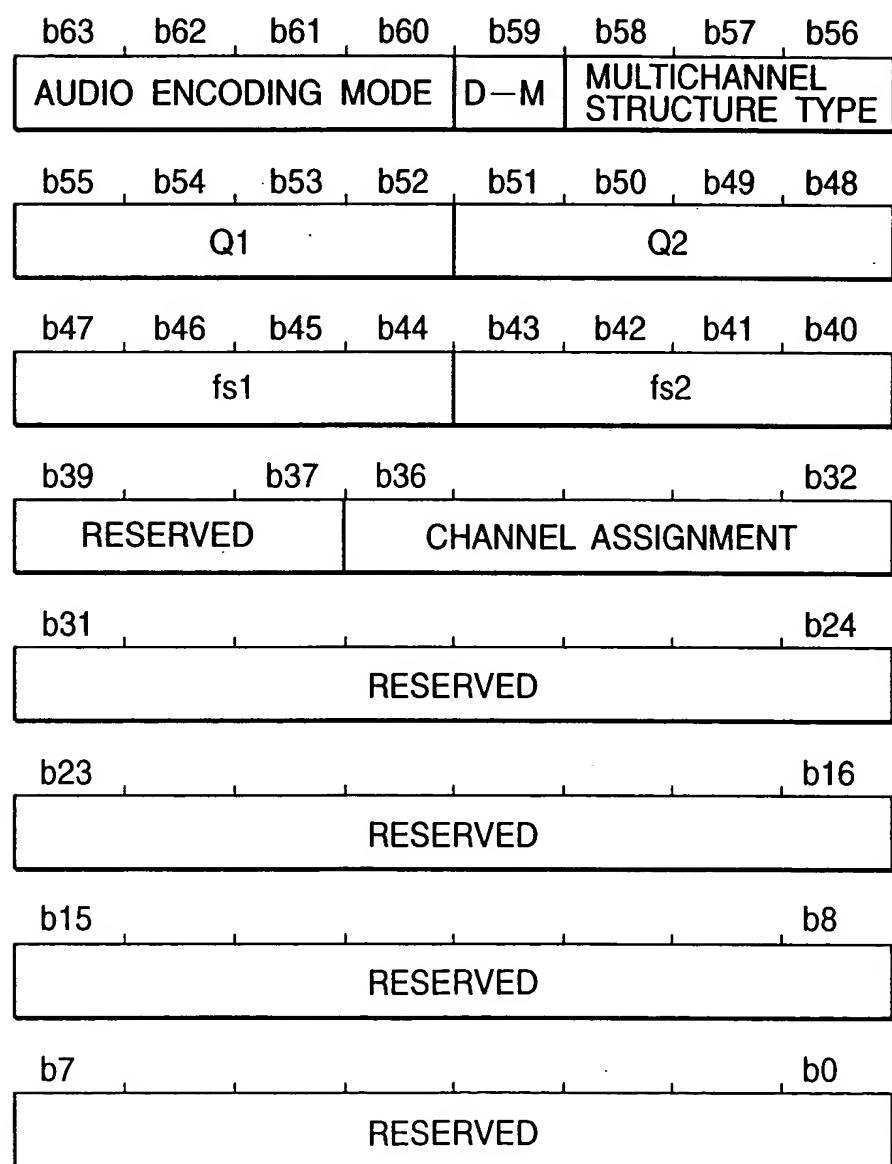


FIG. 43

LINEAR PCM PRIVATE HEADER

FILED	BIT NUMBER	BYTE NUMBER
SUB STREAM ID	8	1
RESERVED	4	
ISRC NUMBER	4	2
ISRC DATA	8	
PRIVATE HEADER LENGTH	8	1
FIRST ACCESS UNIT POINTER	16	2
AUDIO EMPHASIS FLAG F1	1	
AUDIO EMPHASIS FLAG F2	1	1
RESERVED	1	
DOWN MIX CODE	5	
QUANTIZATION WORD LENGTH 1	4	1
QUANTIZATION WORD LENGTH 2	4	
AUDIO SAMPLING FREQUENCY fs 1	4	1
AUDIO SAMPLING FREQUENCY fs 2	4	
RESERVED	4	1
MULTICHANNEL TYPE	4	
CHANNEL ASSIGNMENT 1	4	1
CHANNEL ASSIGNMENT 2	4	
DYNAMIC RANGE CONTROL	8	1
STUFFING BYTE	—	0—7

FIG. 44

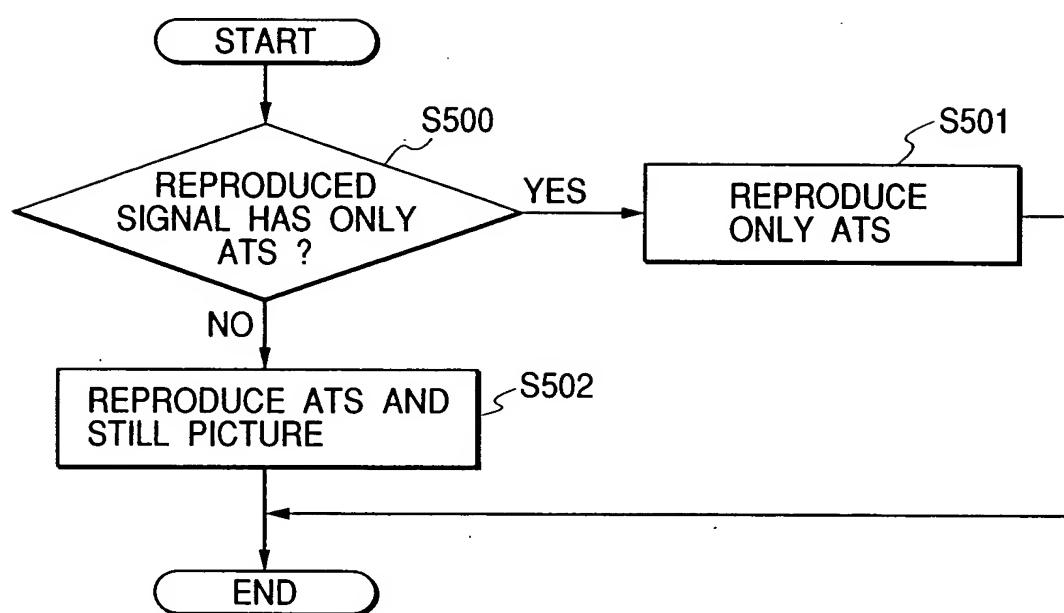


FIG. 45

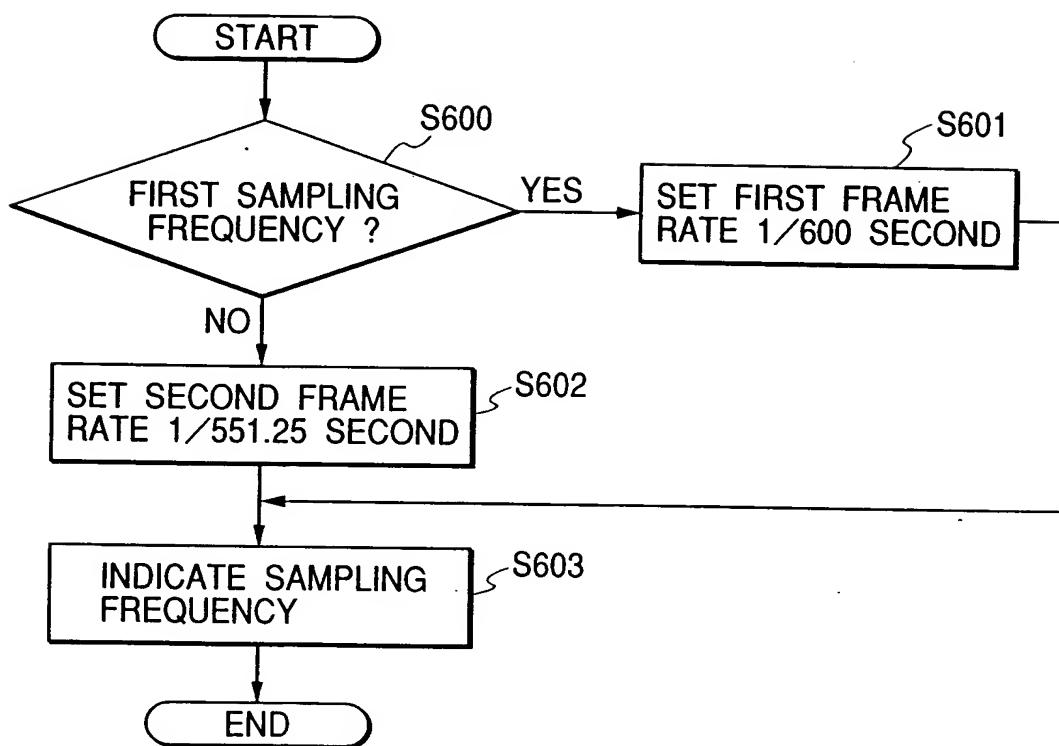


FIG. 46

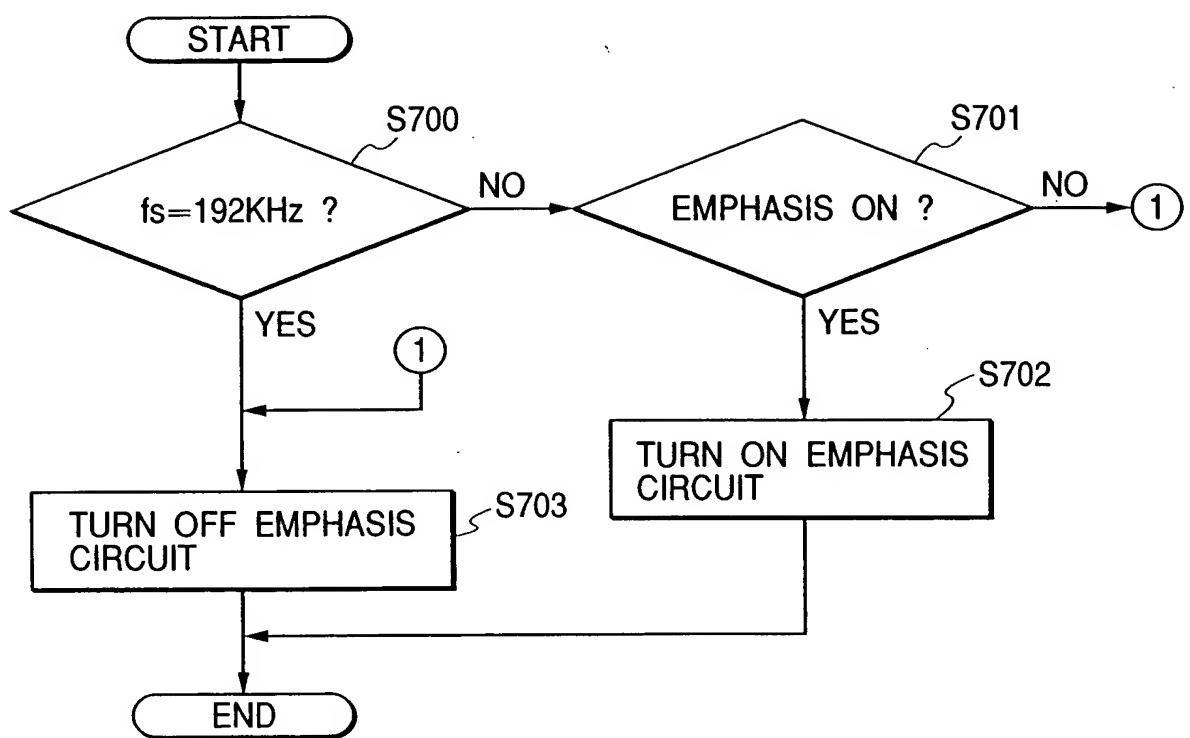


FIG. 47

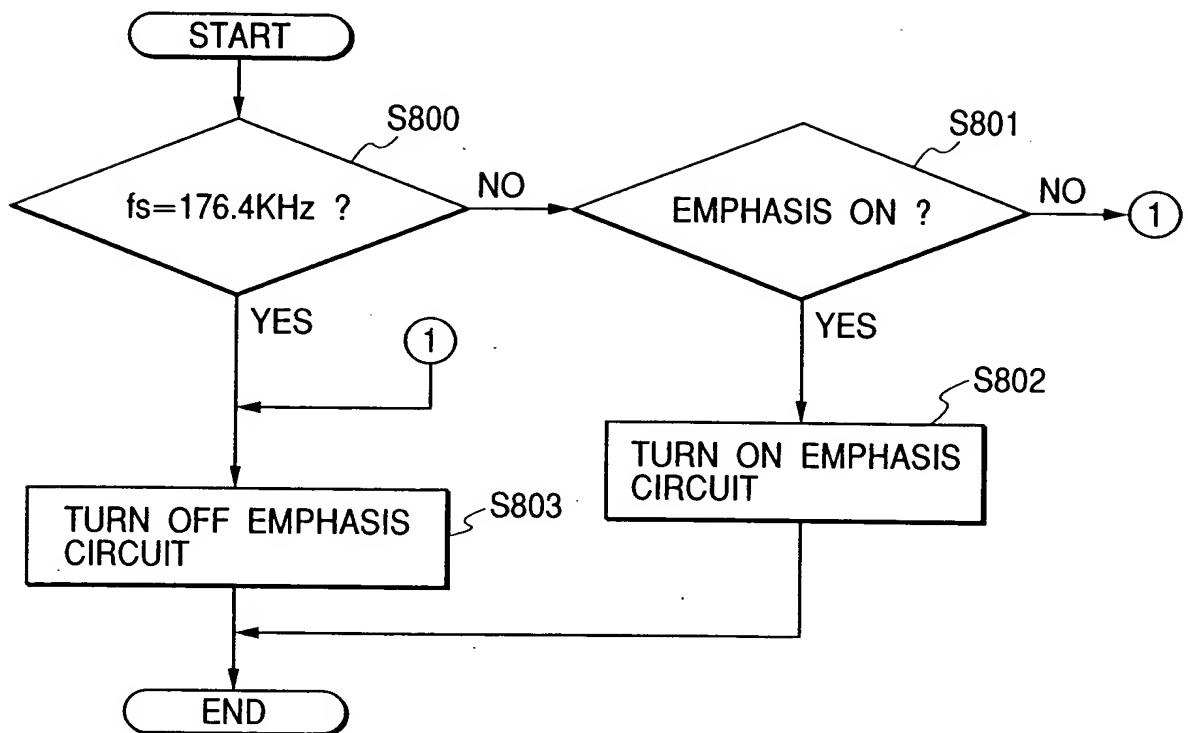


FIG. 48

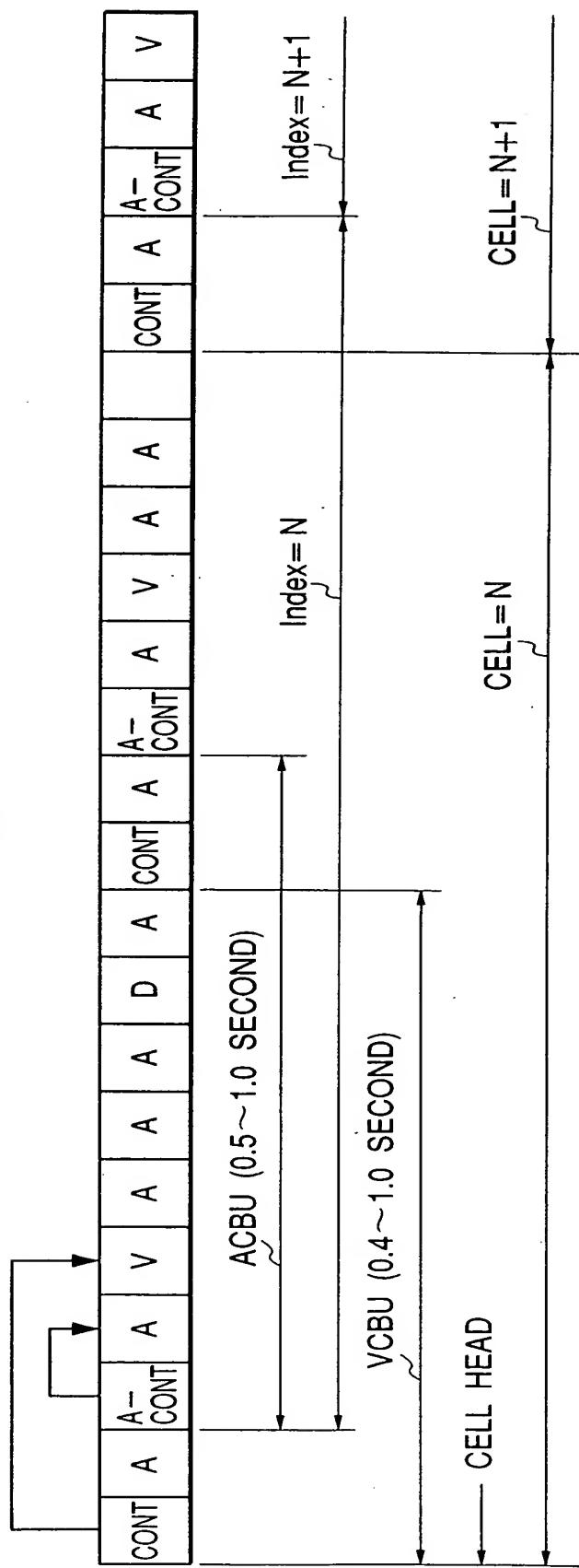


FIG. 49

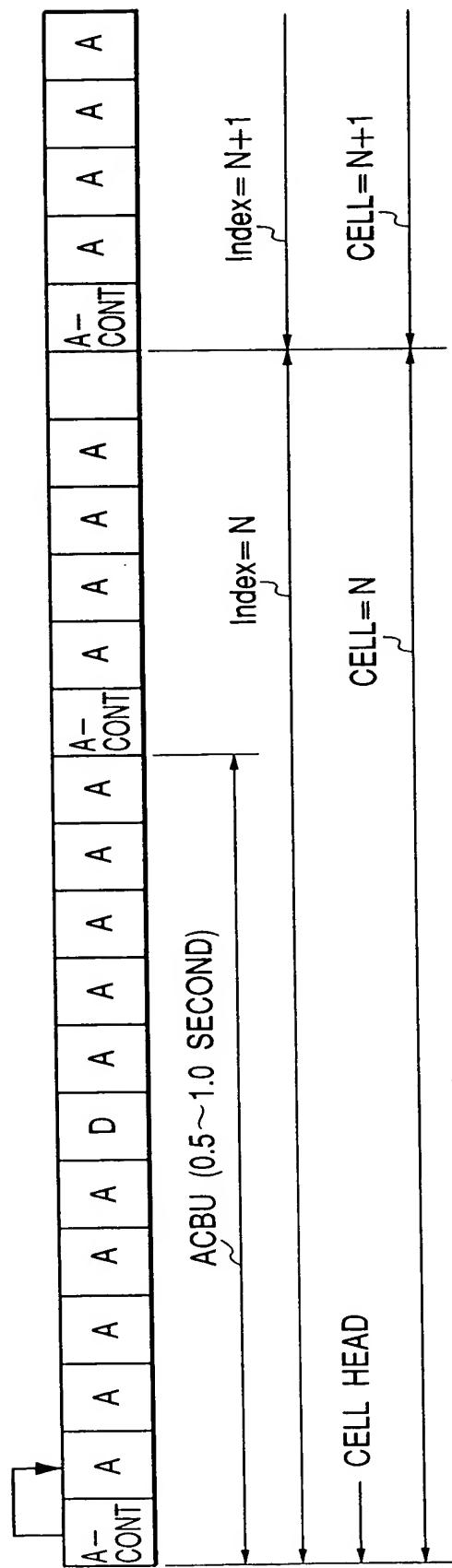


FIG. 50

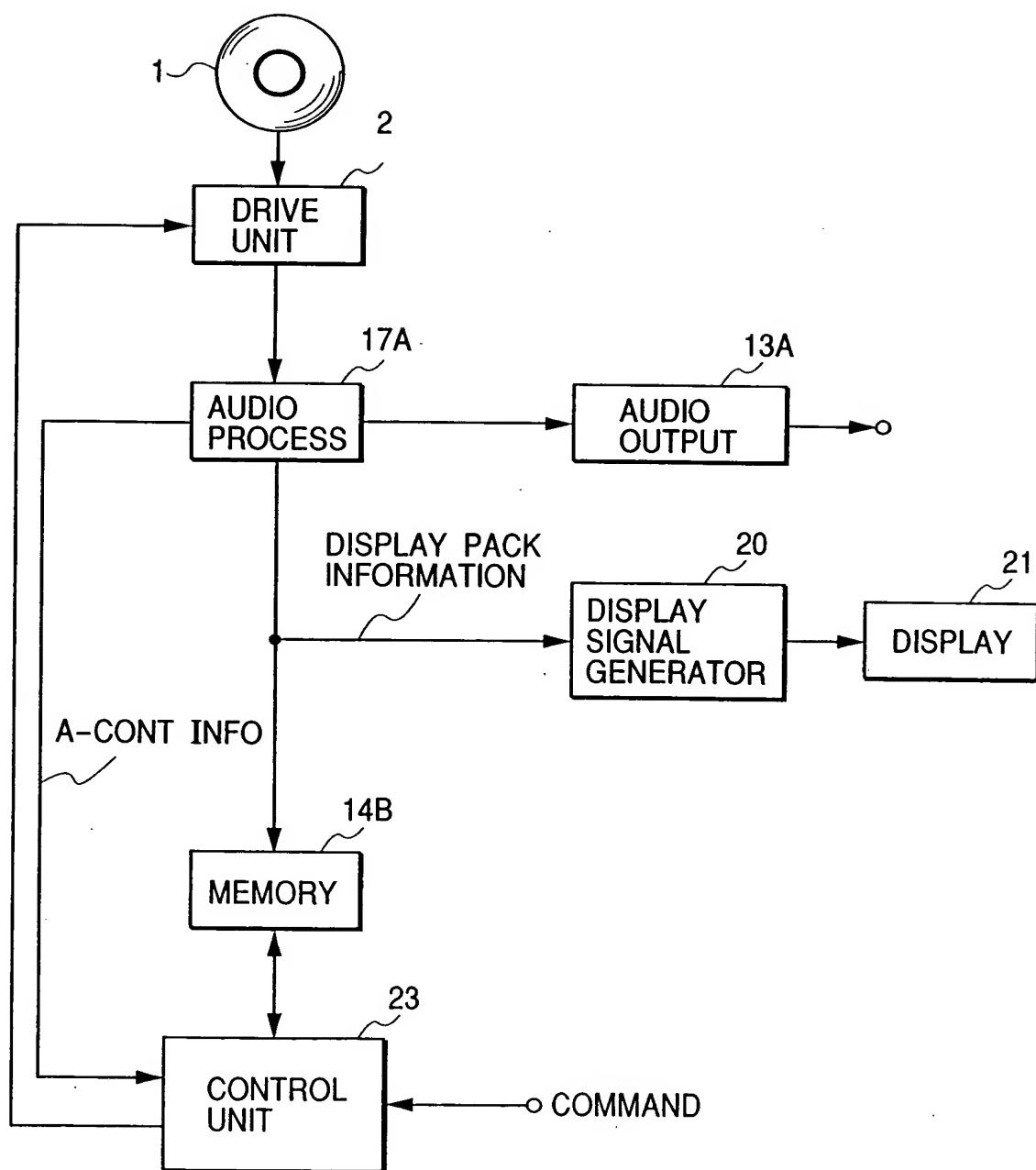


FIG. 51

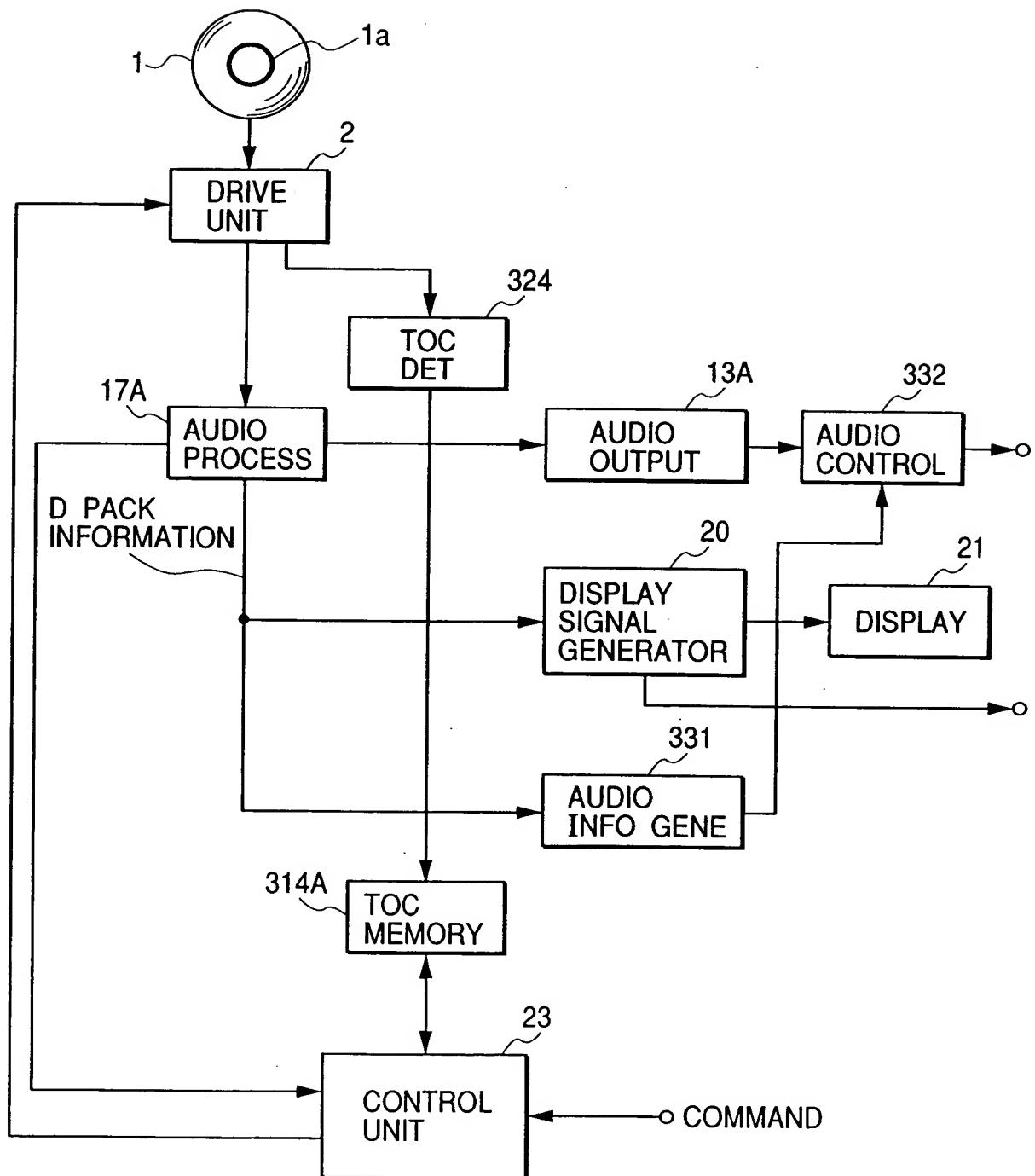


FIG. 52

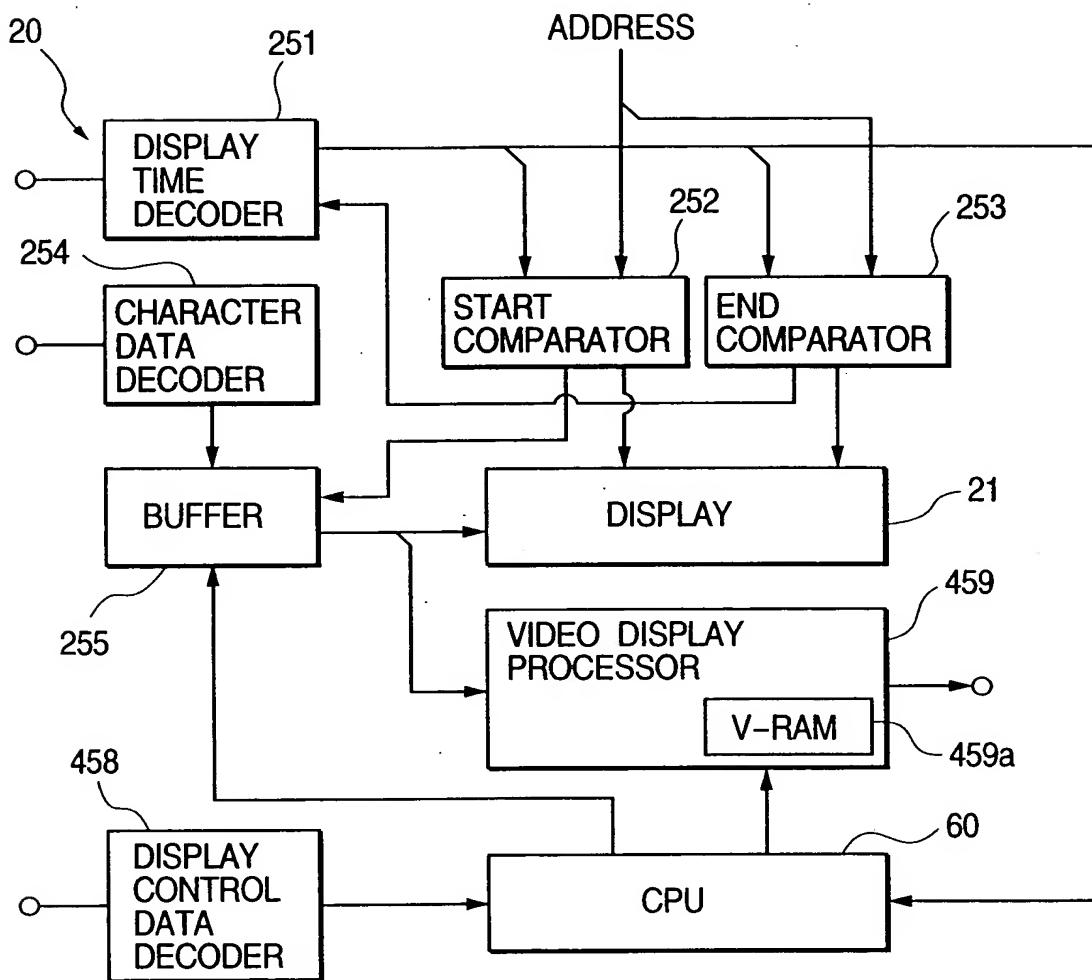


FIG. 53

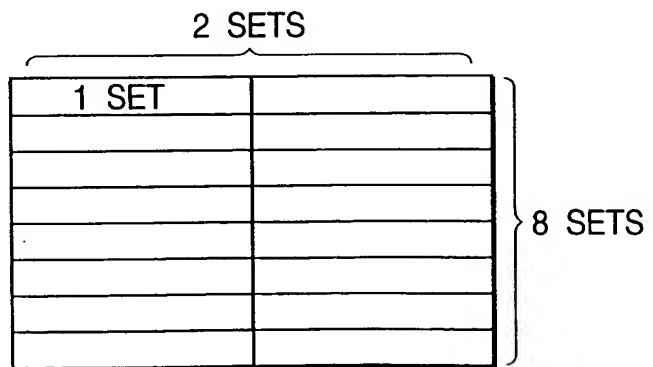


FIG. 54

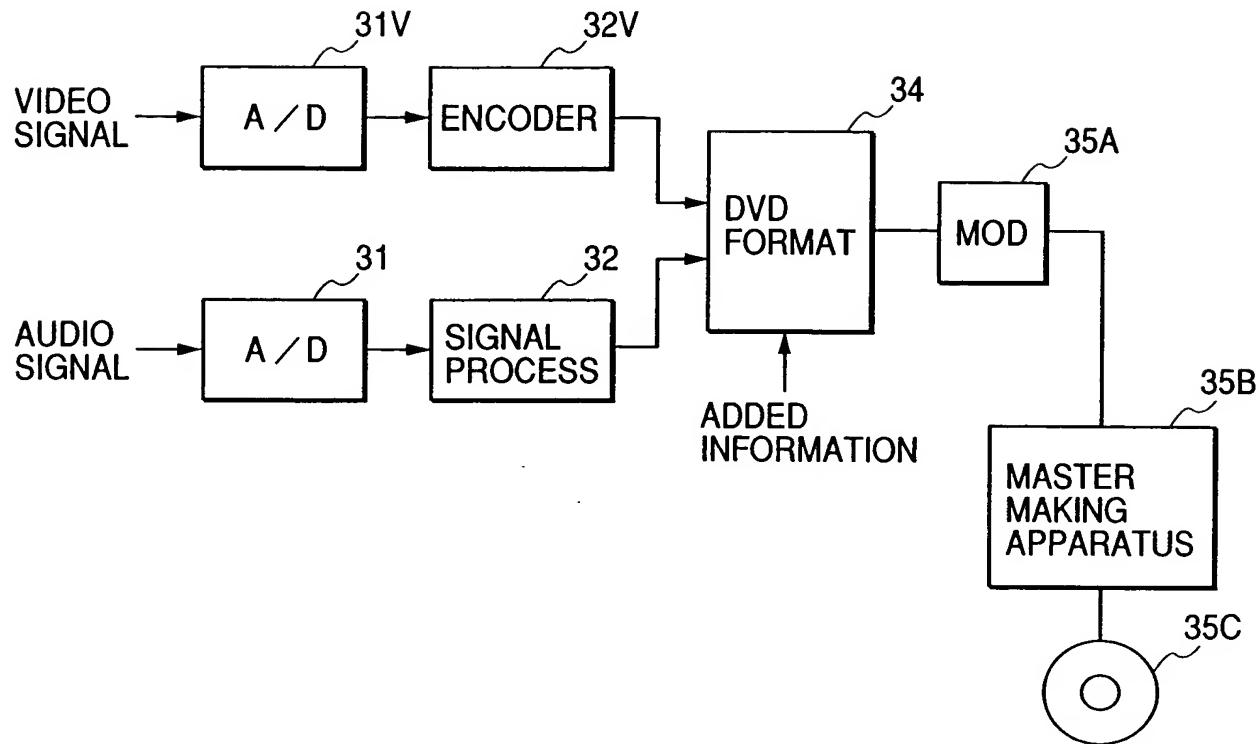


FIG. 55

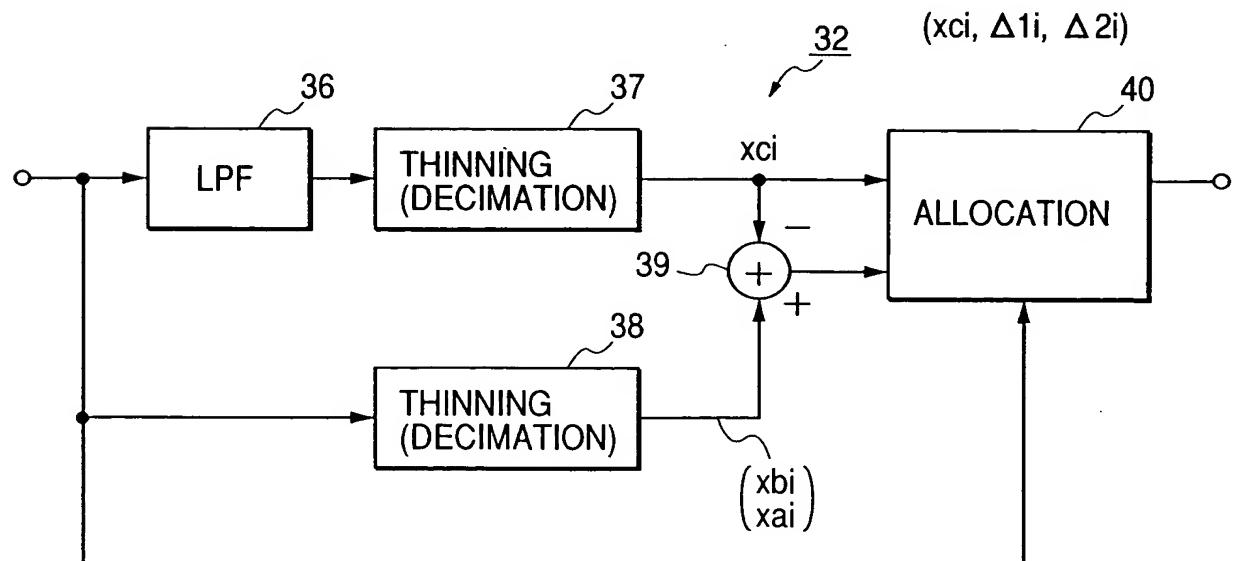


FIG. 56

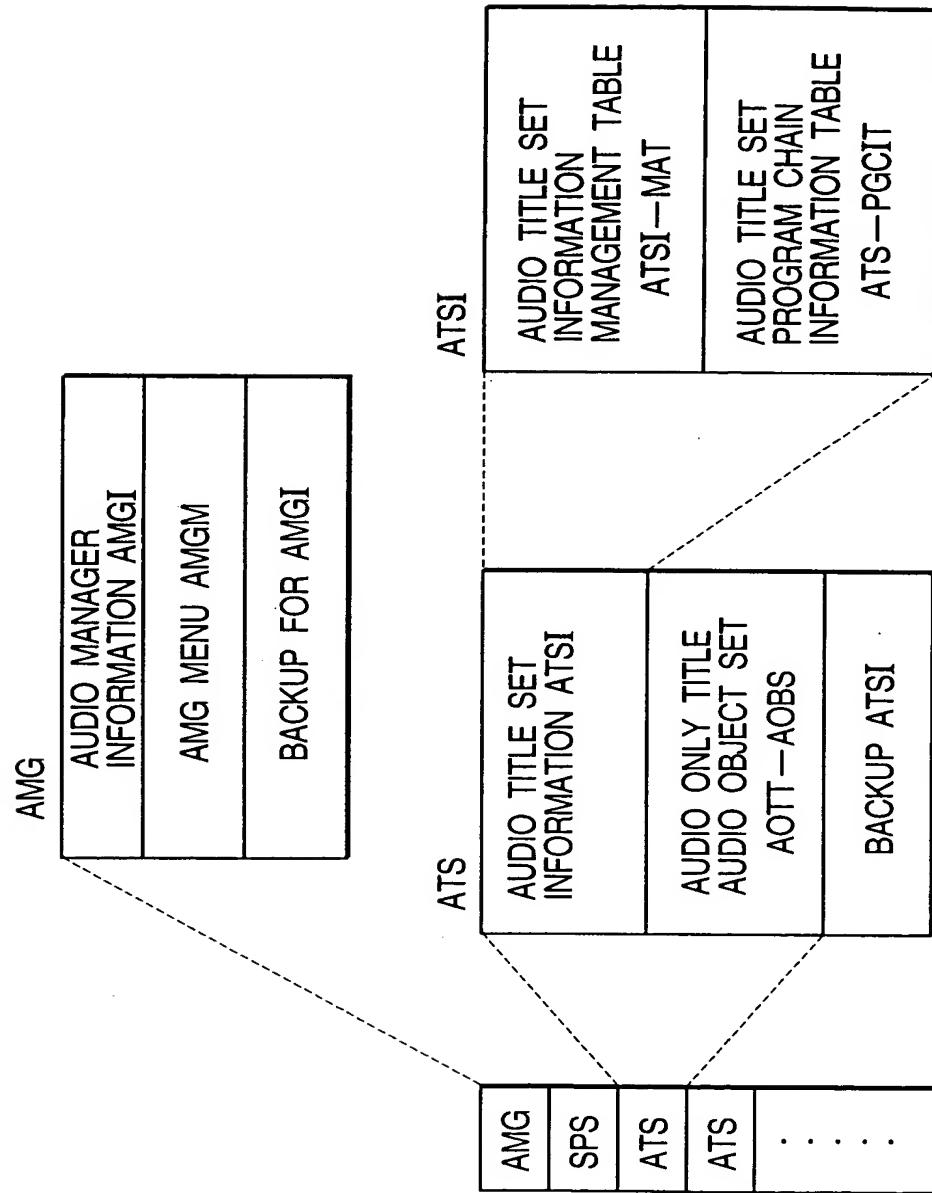


FIG. 57

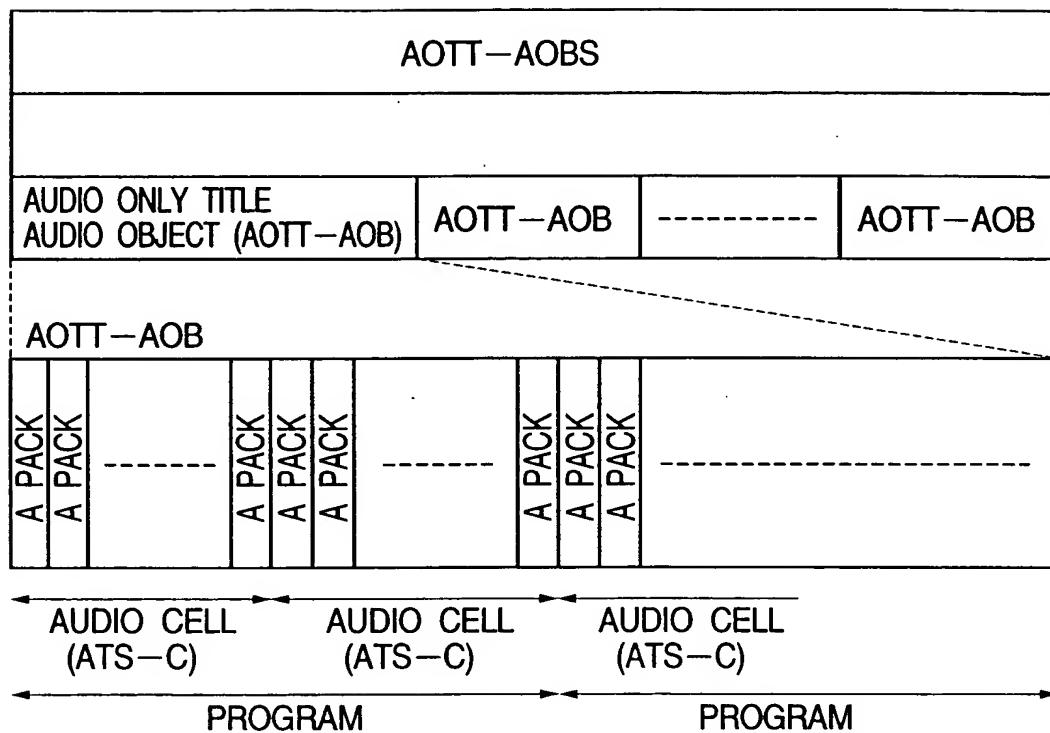


FIG. 58

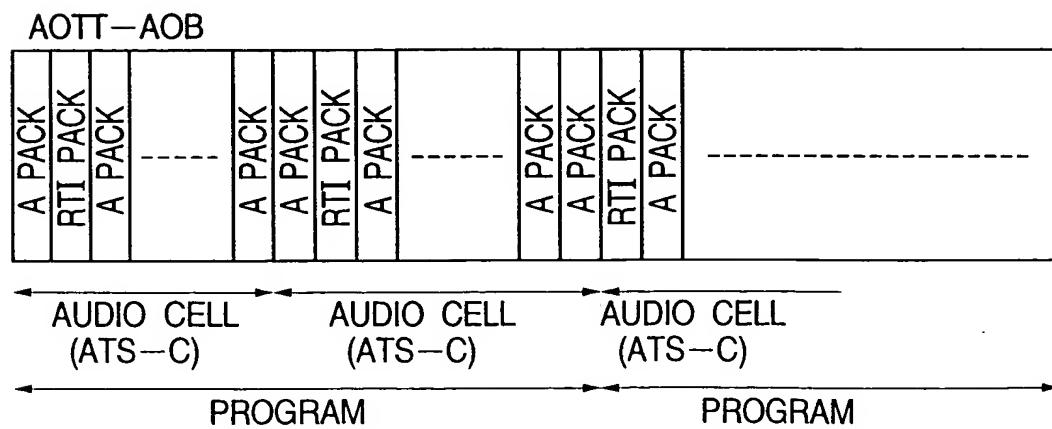


FIG. 59

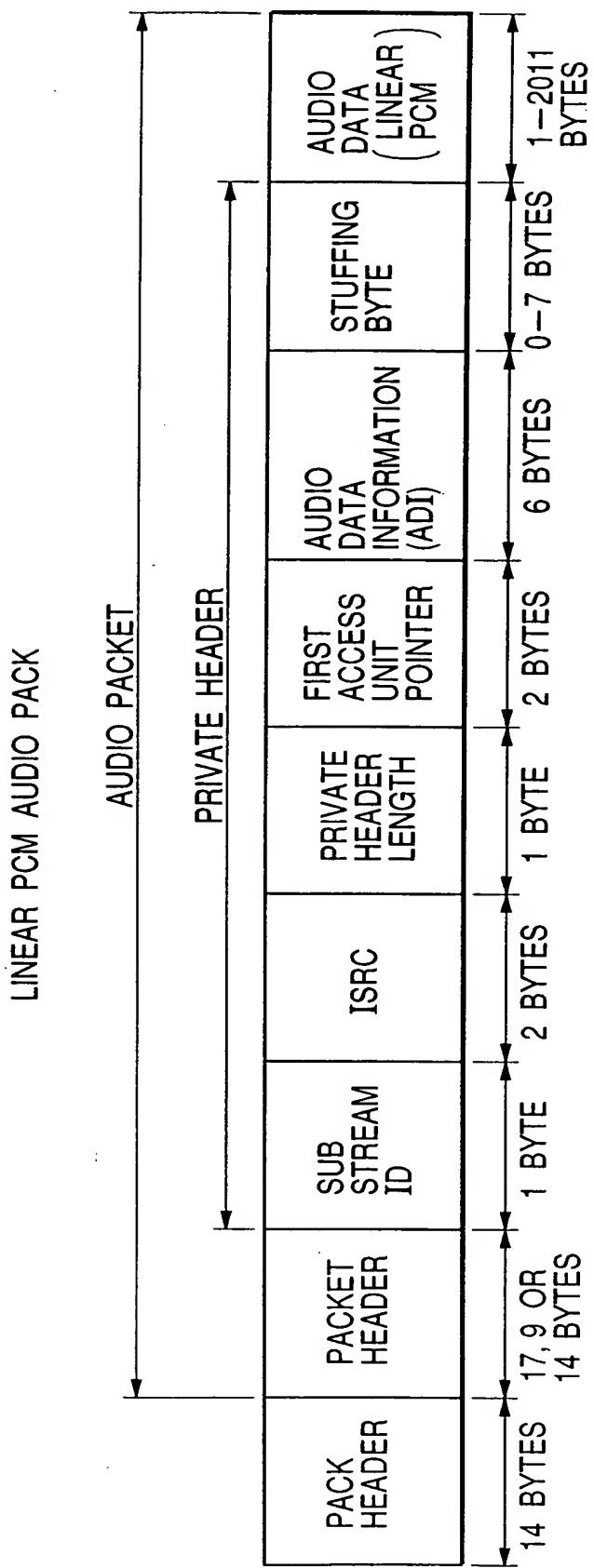


FIG. 60

LINEAR PCM PRIVATE HEADER

FILED	BIT NUMBER	BYTE NUMBER
SUB STREAM ID	8	1
RESERVED	3	
UPC/EAN-ISRC NUMBER	5	2
UPC/EAN-ISRC DATA	8	
PRIVATE HEADER LENGTH	8	1
FIRST ACCESS UNIT POINTER	16	2
AUDIO EMPHASIS FLAG	1	
RESERVED	1	
DOWN MIX CODE	1	1
DOWN MIX CODE EFFECTIVENESS	1	
DOWN MIX CODE	4	
ADI QUANTIZATION WORD LENGTH 1	4	
QUANTIZATION WORD LENGTH 2	4	1
AUDIO SAMPLING FREQUENCY fs 1	4	
AUDIO SAMPLING FREQUENCY fs 2	4	1
RESERVED	4	
MULTICHANNEL TYPE	4	1
BIT SHFT OF CHANNEL GROUP 2	3	
CHANNEL ASSIGNMENT	5	1
DYNAMIC RANGE CONTROL	8	1
RESERVED	8	
RESERVED	8	2
STUFFING BYTE	—	8

FIG. 61

b7	b6	b5	b4	b3	b2	b1	b0
RESERVED	COUNTRY CODE (ISRC #1)						

FIG. 62

b7	b6	b5	b4	b3	b2	b1	b0
RESERVED	COUNTRY CODE (ISRC #2)						

FIG. 63

b7	b6	b5	b4	b3	b2	b1	b0
RESERVED	COPYRIGHT HOLDER CODE (ISRC #3)						

FIG. 64

b7	b6	b5	b4	b3	b2	b1	b0
RESERVED	COPYRIGHT HOLDER CODE (ISRC #4)						

FIG. 65

b7	b6	b5	b4	b3	b2	b1	b0
RESERVED	COPYRIGHT HOLDER CODE (ISRC #5)						

FIG. 66

b7	b6	b5	b4	b3	b2	b1	b0
RESERVED	RECORDING YEAR (ISRC #6)						

FIG. 67

b7	b6	b5	b4	b3	b2	b1	b0
RESERVED	RECORDING YEAR (ISRC #7)						

FIG. 68

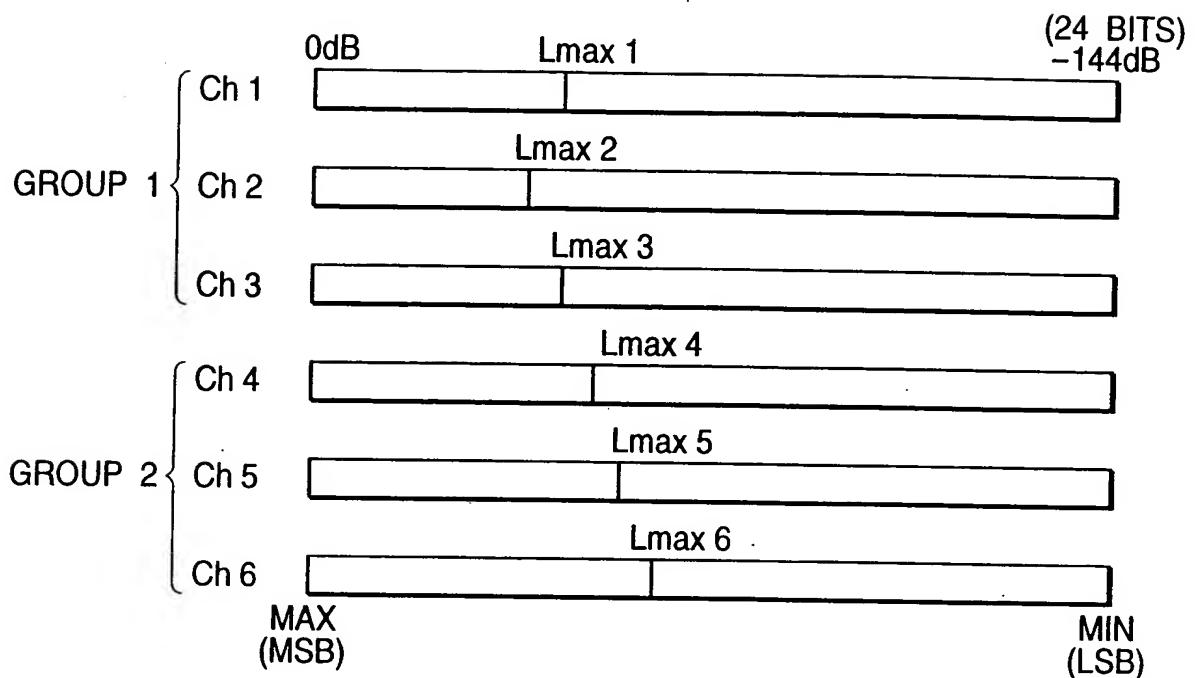


FIG. 69

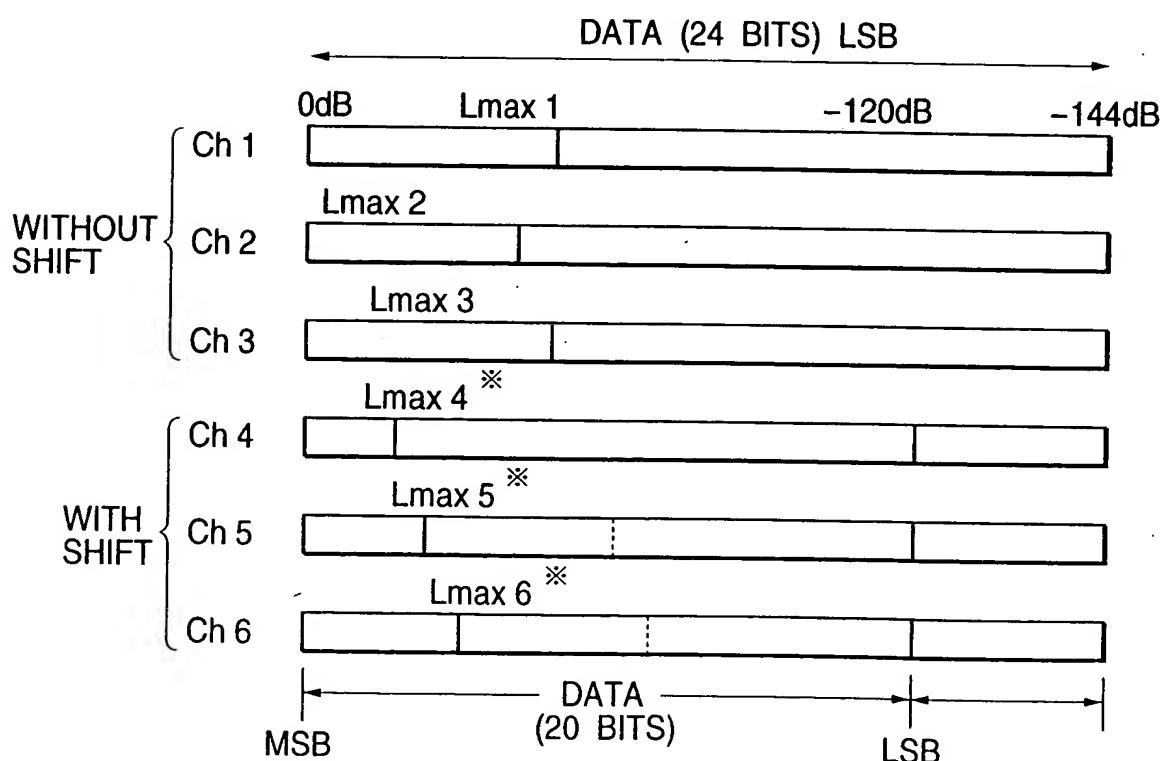


FIG. 70

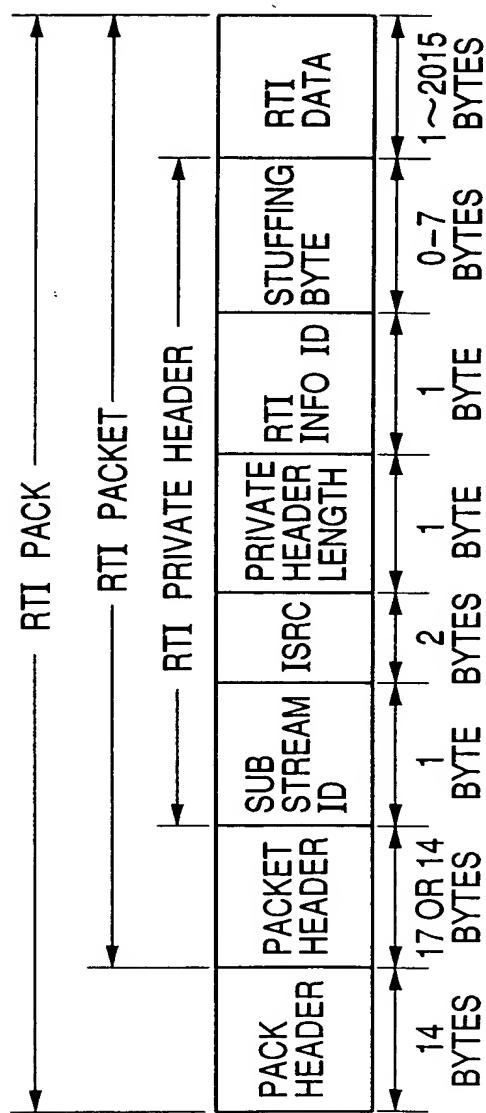


FIG. 71

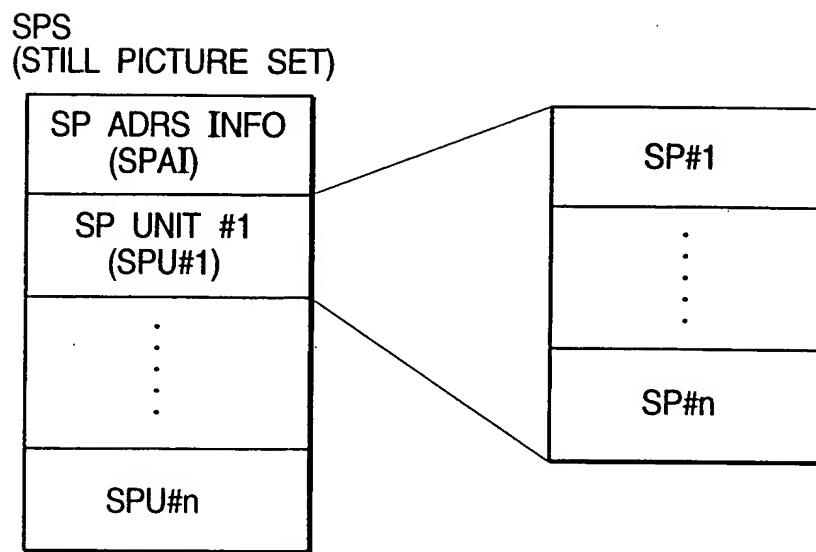


FIG. 72

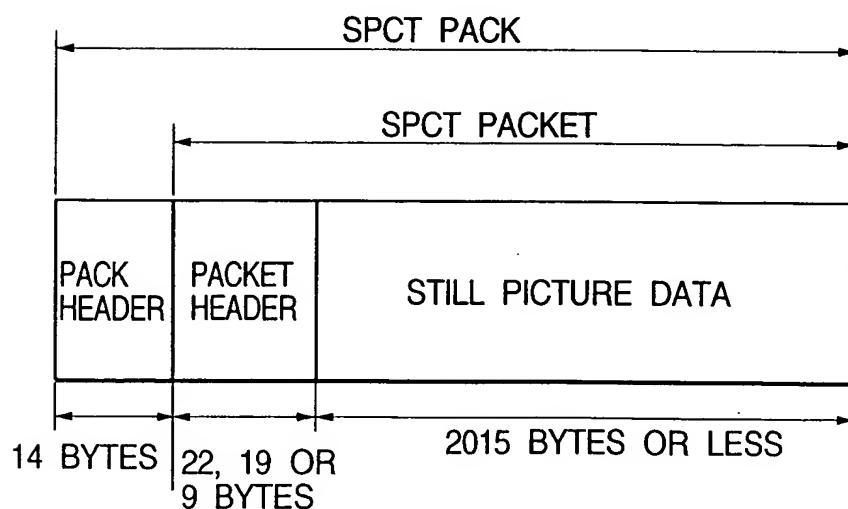


FIG. 73

ATSI-MAT

RB#		BYTE NUMBER
0~11	ATS IDENTIFIER (ATS-ID)	12
12~15	ATS END ADRS (ATS-EA)	4
16~27	RESERVED	12
28~31	ATSI END ADRS (ATSI-EA)	4
32, 33	VERSION NO (VERN)	2
34~127	RESERVED	94
128~131	ATSI-MAT END ADRS	4
132~191	RESERVED	60
192~195	AOTT VTS START ADRS	4
196~199	AOTT AOBS START ADRS (AOTT VOBS START ADRS)	4
200~203	RESERVED	4
204~207	ATS-PGCIT START ADRS	4
208~255	RESERVED	48
256~383	AOTT-AOB-ATR AOTT-VOB-AST-ATR	128
384~671	ATS-DM-COEFT#0~#15	288
672~703	RESERVED	32
704~705	STILL PICTURE DATA ATTRIBUTE (ATS-SPCT-ART)	2
706~2047	RESERVED	1342

FIG. 74

AOTT—AOB—ATR

FIG. 75

CHANNEL ASSIGNMENT INFORMATION (BIT PATTERN)	CHANNEL STRUCTURE OF GROUPS 1, 2						CHANNEL NUMBER IN GROUP 1	CHANNEL NUMBER IN GROUP 2
	ACH0	ACH1	ACH2	ACH3	ACH4	ACH5		
00000b	C(mono)	none	none	none	none	none	1	0
00001b	L	R	none	none	none	none	2	0
00010b	Lf	Rf	S	none	none	none	2	1
00011b	Lf	Rf	Ls	Rs	none	none	2	2
00100b	Lf	Rf	LFE	none	none	none	2	1
00101b	Lf	Rf	LFE	S	none	none	2	2
00110b	Lf	Rf	LFE	Ls	Rs	none	2	3
00111b	Lf	Rf	C	none	none	none	2	1
01000b	Lf	Rf	C	S	none	none	2	2
01001b	Lf	Rf	C	Ls	Rs	none	2	3
01010b	Lf	Rf	C	LFE	none	none	2	2
01011b	Lf	Rf	C	LFE	S	none	2	3
01100b	Lf	Rf	C	LFE	Ls	Rs	2	4
01101b	Lf	Rf	C	S	none	none	3	1
01110b	Lf	Rf	C	Ls	Rs	none	3	2
01111b	Lf	Rf	C	LFE	none	none	3	1
10000b	Lf	Rf	C	LFE	S	none	3	2
10001b	Lf	Rf	C	LFE	Ls	Rs	3	3
10010b	Lf	Rf	Ls	Rs	LFE	none	4	1
10011b	Lf	Rf	Ls	Rs	C	none	4	1
10100b	Lf	Rf	Ls	Rs	C	LFE	4	2
OTHERS	RESERVED							
	CHANNEL GROUP 1				CHANNEL GROUP 2			

FIG. 76

AOTT—VOB—AST—ATR

FIG. 77

ATS—DM—COEFT#0—#15

CONTENTS	BYTE NUMBER
DOWN MIX COEFFICIENT OF TABLE NUMBER 0	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 1	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 2	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 3	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 4	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 5	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 6	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 7	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 8	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 9	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 10	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 11	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 12	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 13	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 14	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 15	18

FIG. 78

ATS—SPCT—ATR

b15	b14	b13	b12	b11	b10	b9	b8
VIDEO COMPRESSION MODE	TV SYSTEM		ASPECT RATIO	DISPLAY MODE			
b7	b6	b5	b4	b3	b2	b1	b0
RESERVED	SOURCE PICTURE RESOLUTION		RESERVED				

FIG. 79

ATSI

ATSI—MAT
ATSI—PGCIT

ATS—PGCIT

ATS—PGCIT INFORMATION (ATS—PGCITI)
ATS—PGCI SEARCH POINTER #1 (ATS—PGCI—SRP#1)
ATS—PGCI—SRP#n
ATS—PGCI
ATS—PGCI

n

FIG. 80

ATS-PGCITI

RBP		BYTE NUMBER
0~1	ATS-PGCI-SRP NUMBER	2
2~3	RESERVED	2
4~7	ATS-PGCIT END ADRS	4

FIG. 81

ATS-PGCI-SRP

RBP		BYTE NUMBER
0~3	ATS-PGC CATEGORY (ATS-PGC-CAT)	4
4~7	ATS-PGCI END ADRS	4

FIG. 82

ATS-PGC-CAT

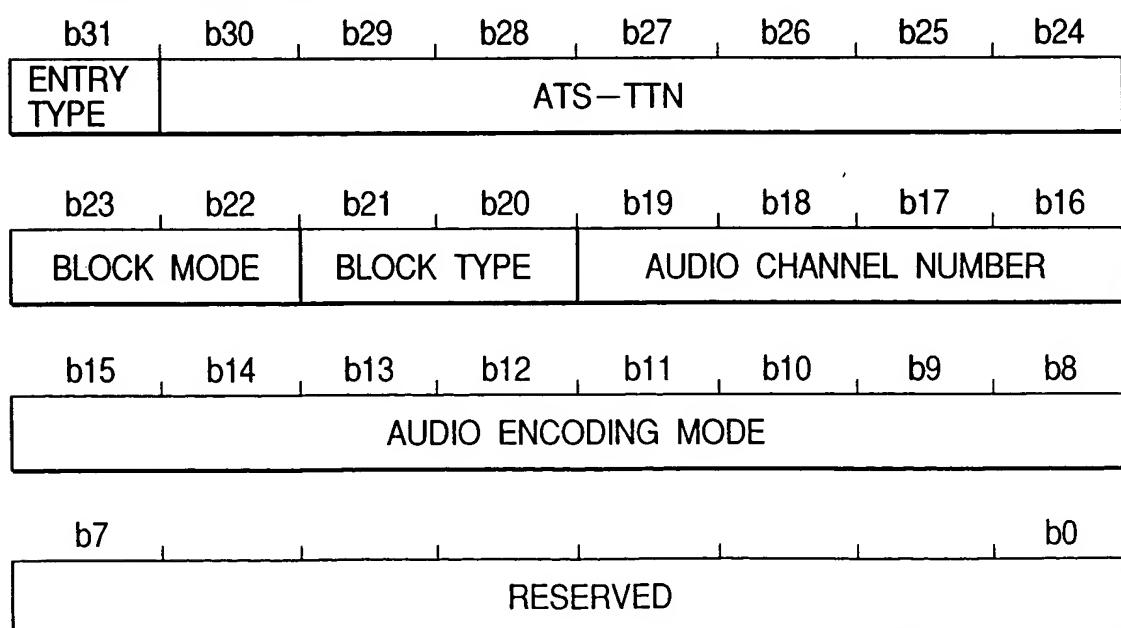


FIG. 83

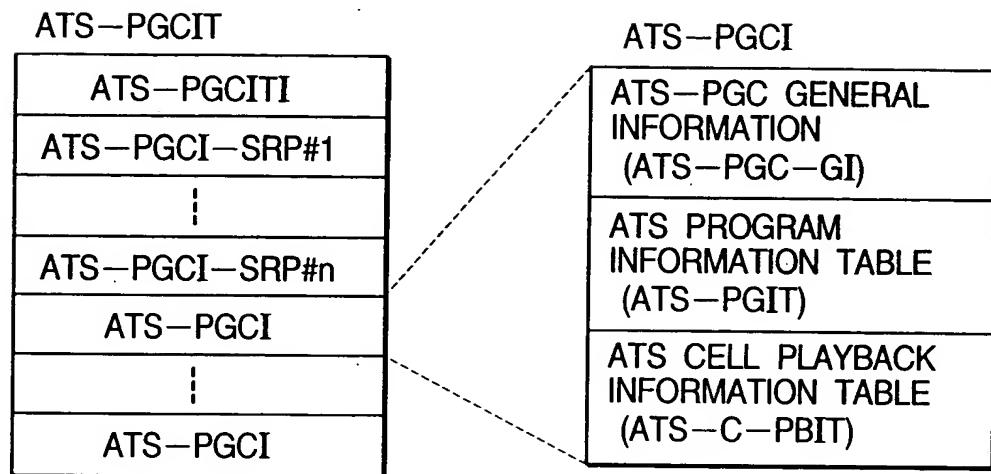


FIG. 84

ATS-PGC-GI

RBP		BYTE NUMBER
0~3	ATS-PGC CONTENTS (ATS-PGC-CNT)	4
4~7	ATS-PGC PLAYBACK TIME (ATS-PGC-PB-TM)	4
8~9	RESERVED	2
10~11	ATS-PGIT START ADDRESS	2
12~13	ATS-C-PBIT START ADDRESS	2
14~15	RESERVED	2

FIG. 85

ATS—PGC CONTENTS

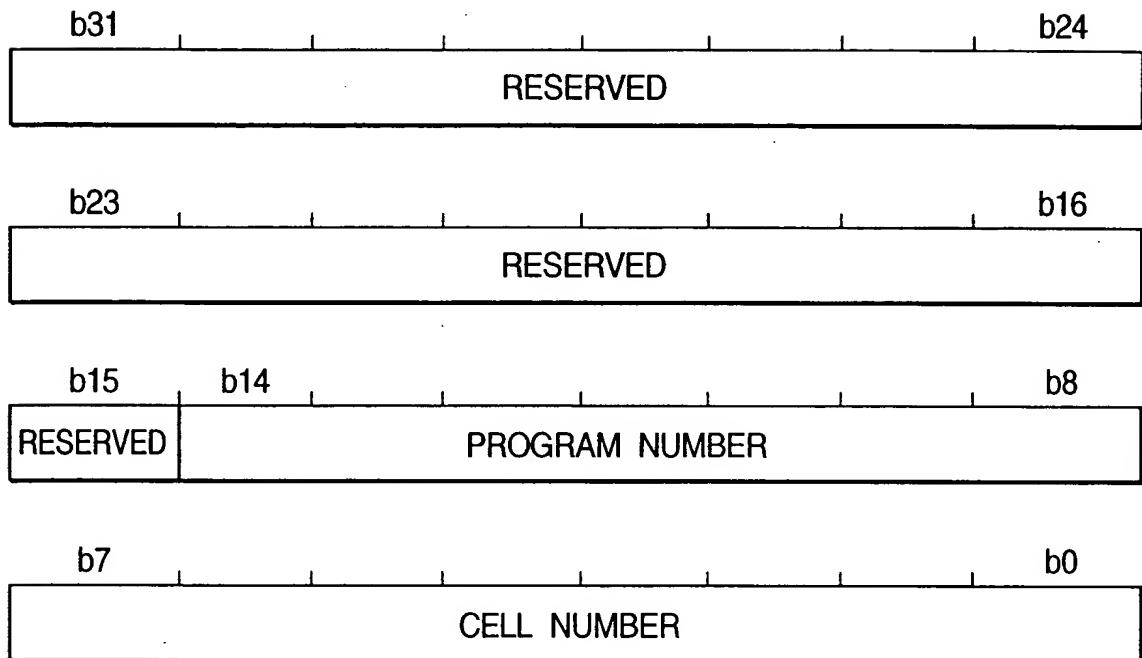
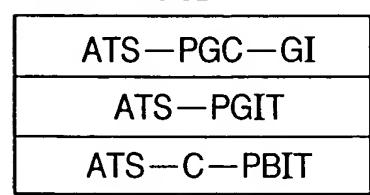
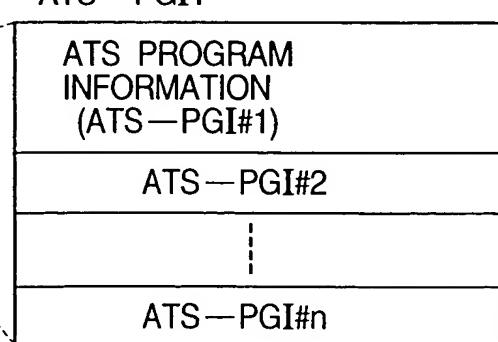


FIG. 86

ATS—PGCI



ATS—PGIT



ATS—PGI

FIG. 87

RBП		BYTE NUMBER
0~3	ATS—PG CONTENTS (ATS—PG—CNT)	4
4	ATS—PG ENTRY CELL NUMBER	1
5	RESERVED	1
6~9	FAC—S—PTM	4
10~13	ATS—PG PLAYBACK TIME	4
14~17	ATS—PG PAUSE TIME	4
18	COPYRIGHT MANAGEMENT INFO CMI	1
19	RESERVED	1

ATS—PG—CNT

FIG. 88

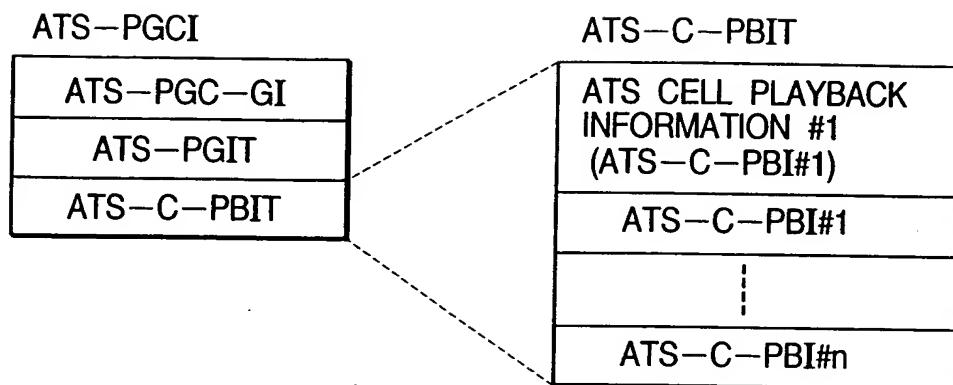
b31	b30	b29	b28	b27	b26	b25	b24
R/A	STC—F		ATRN		ChGr2 BIT SHIFT		

b23	b22	b21	b20	b19	b18	b17	b16
RESERVED	D—M	D—M EFFECT		DM—COEFTN			

b15	b14	b13	b12	b11	b10	b9	b8
F15	F14	F13	F12	F11	F10	F9	F8

b7	b6	b5	b4	b3	b2	b1	b0
F7	F6	F5	F4	F3	F2	F1	F0

FIG. 89

FIG. 90
ATS-C-PBI

RBP		BYTE NUMBER
0	ATS-C INDEX NUMBER	1
1	ATS-C TYPE (ATS-C-TY)	1
2~3	RESERVED	2
4~7	ATS-C START ADDRESS	4
8~11	ATS-C END ADDRESS	4

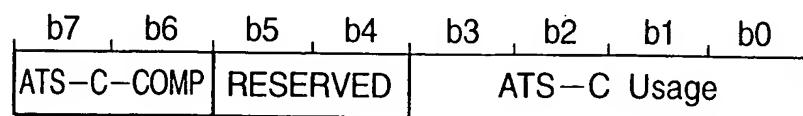
FIG. 91
ATS-C-TY

FIG. 92

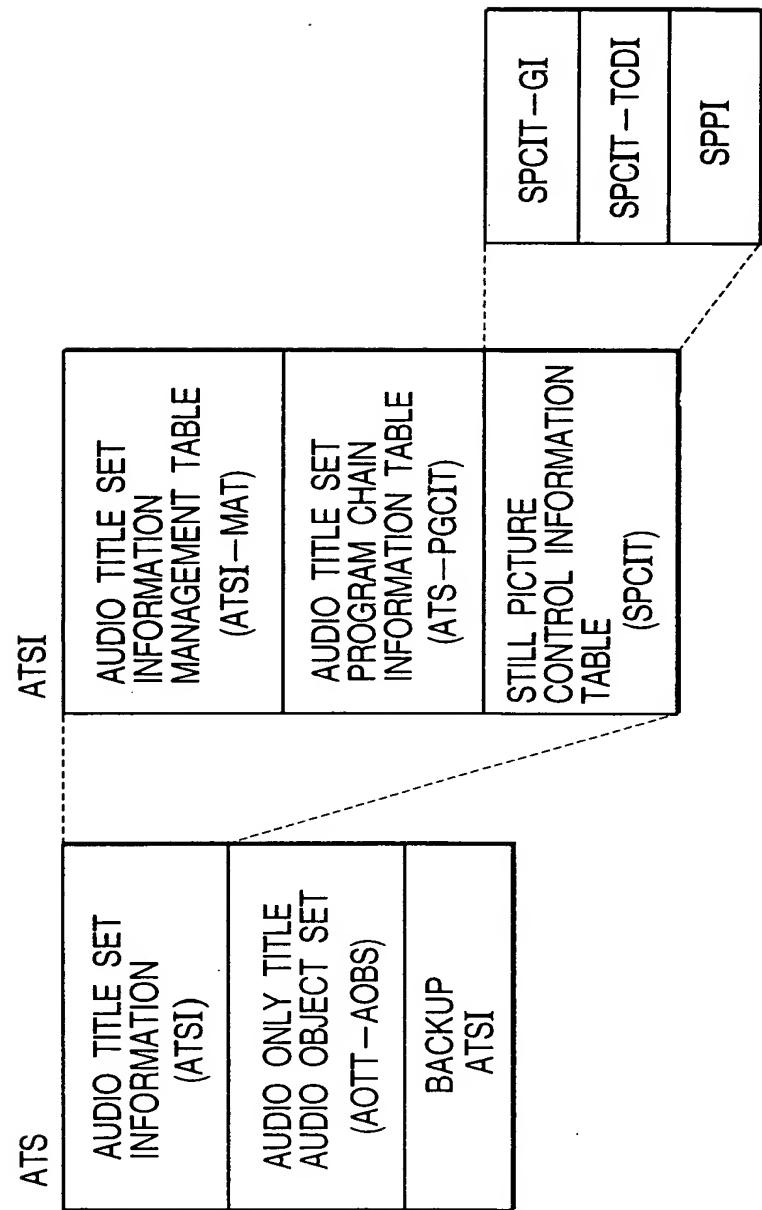
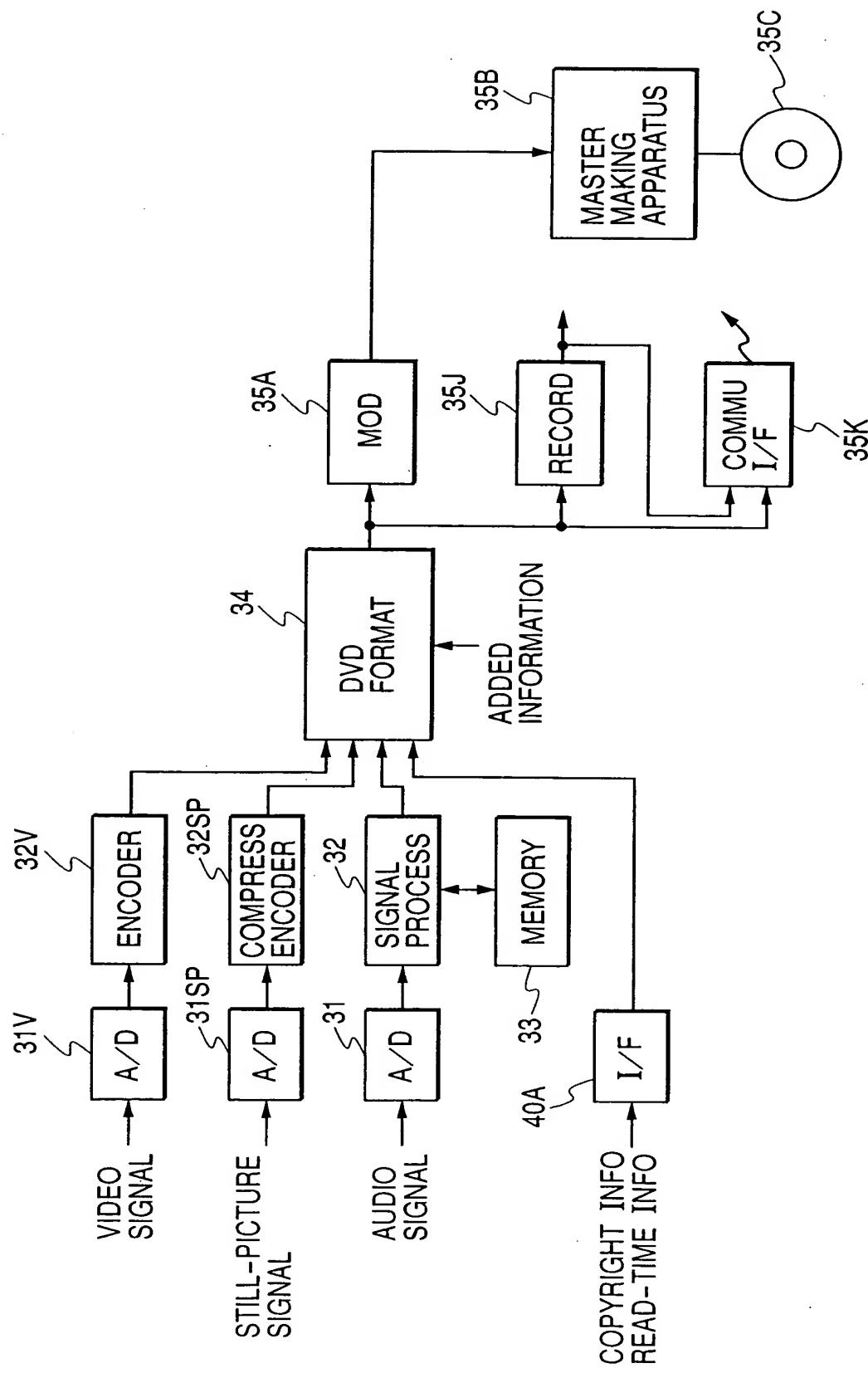


FIG. 93



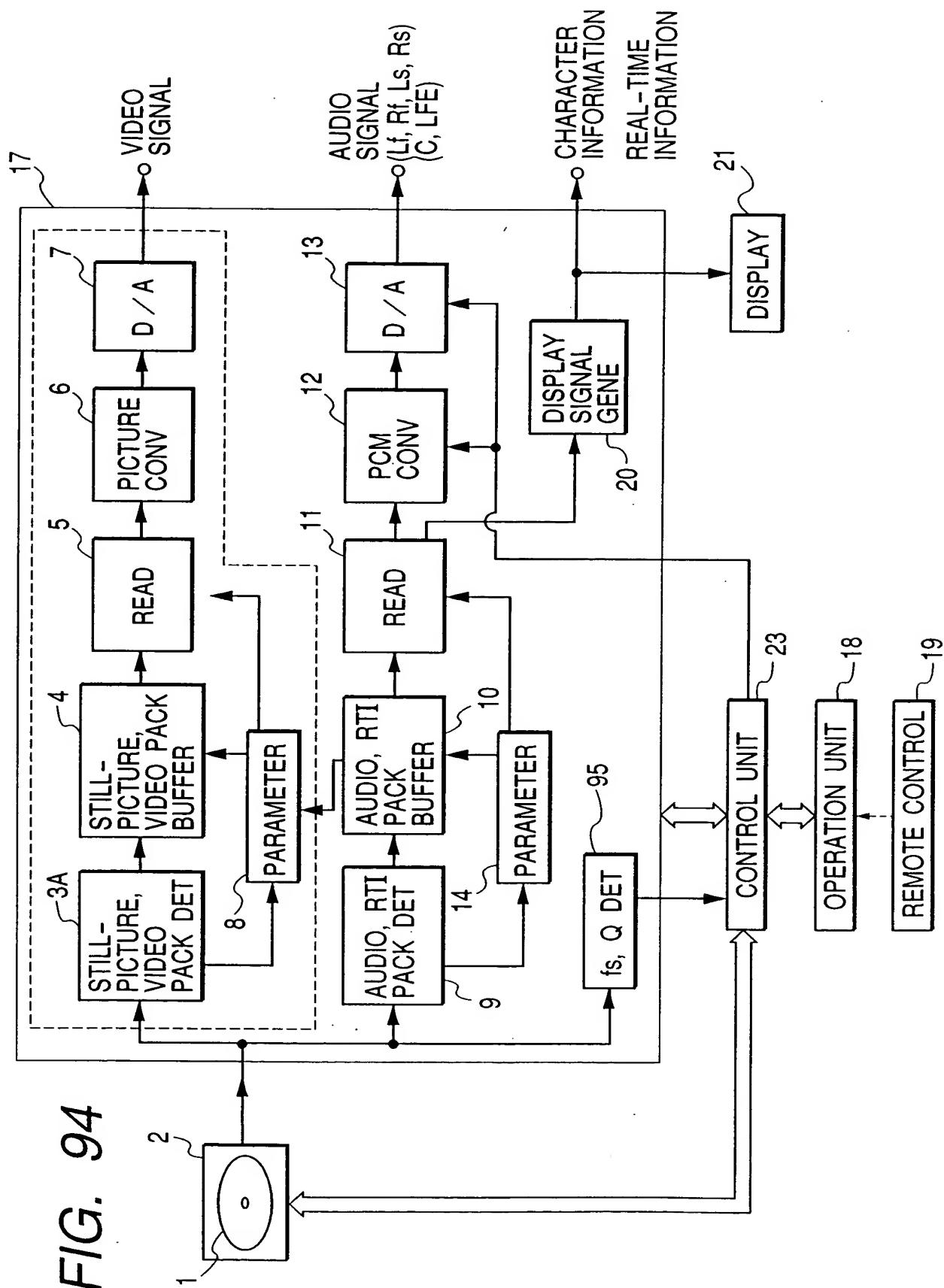


FIG. 95

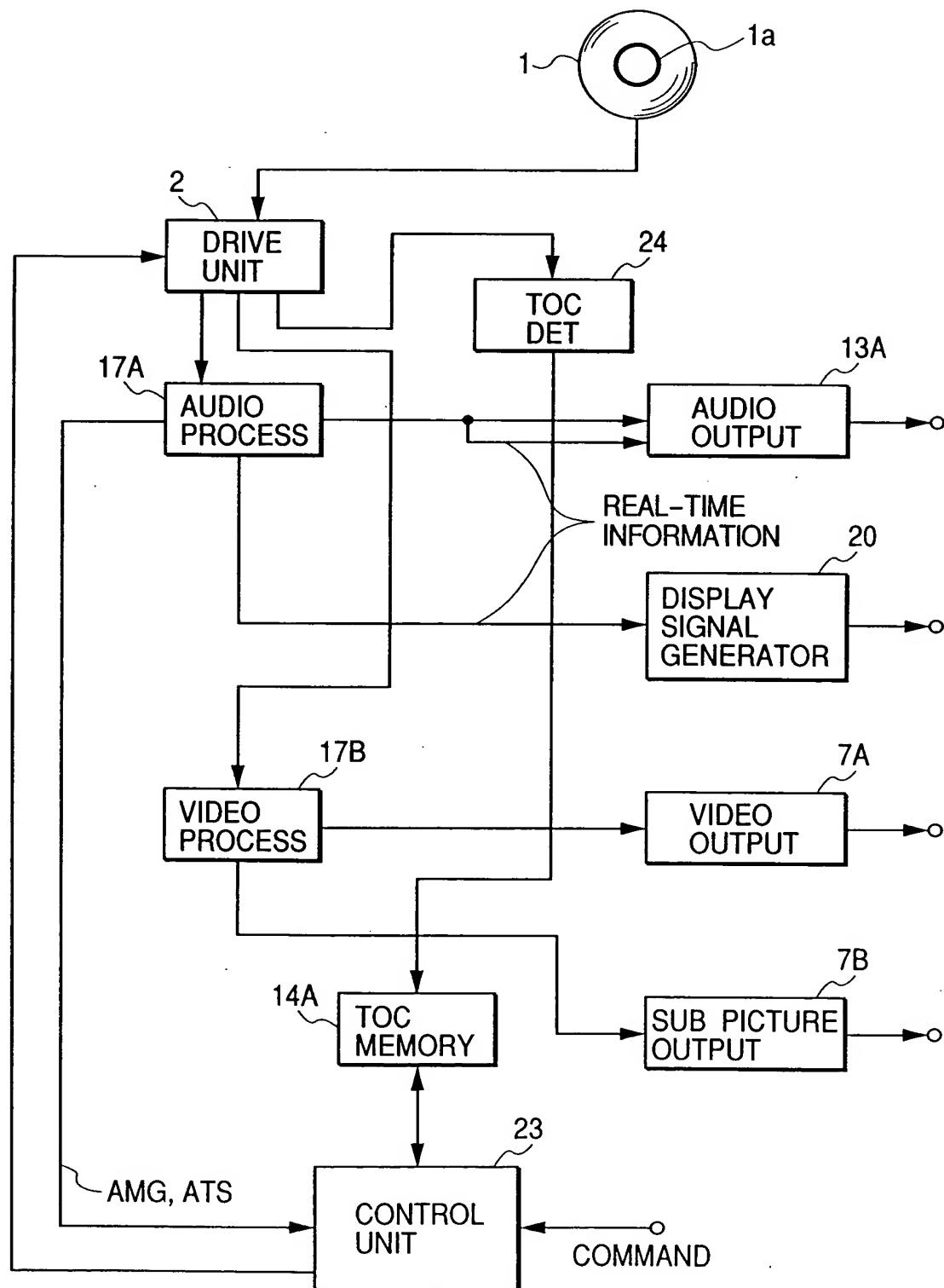


FIG. 96

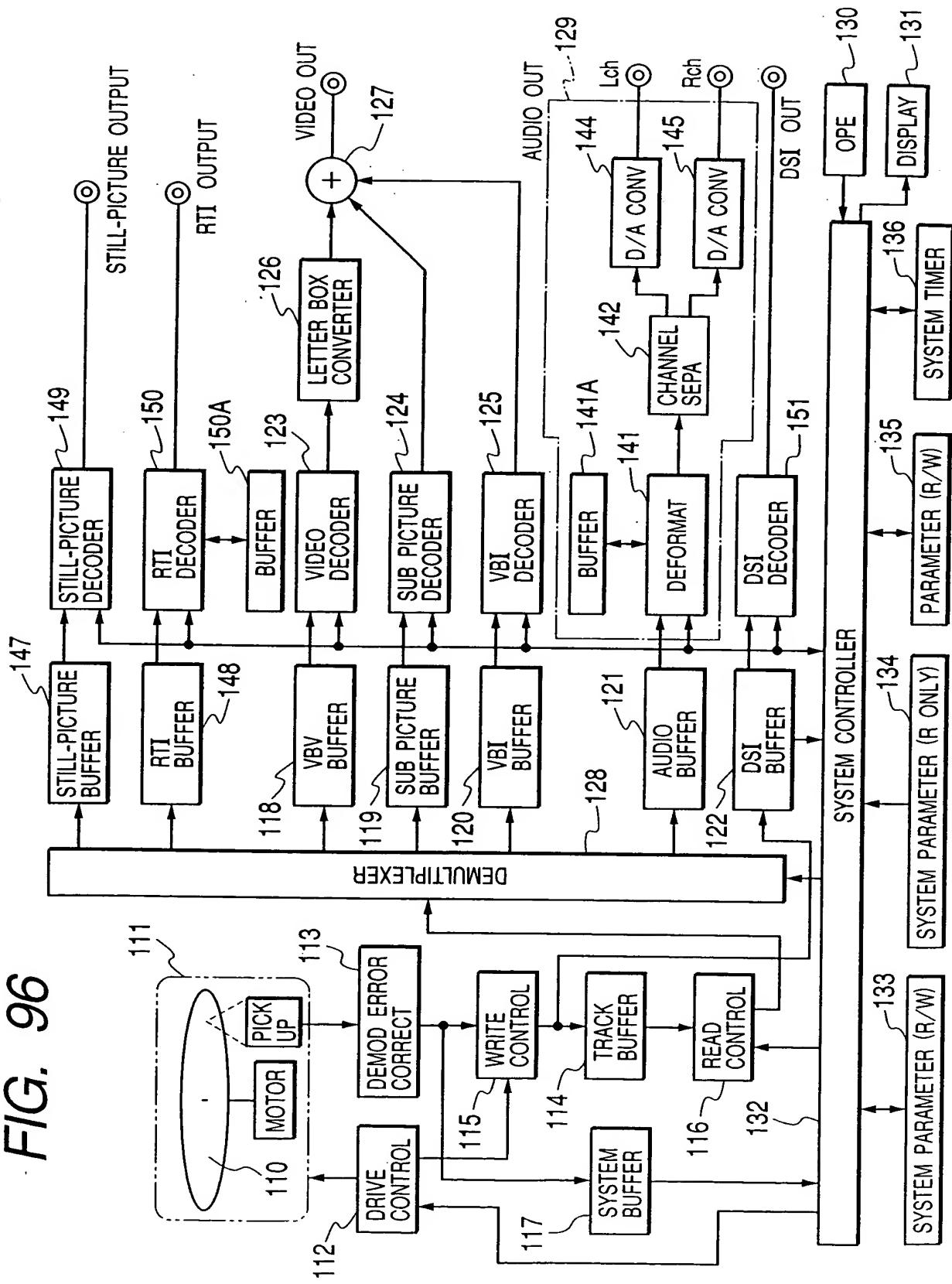


FIG. 97

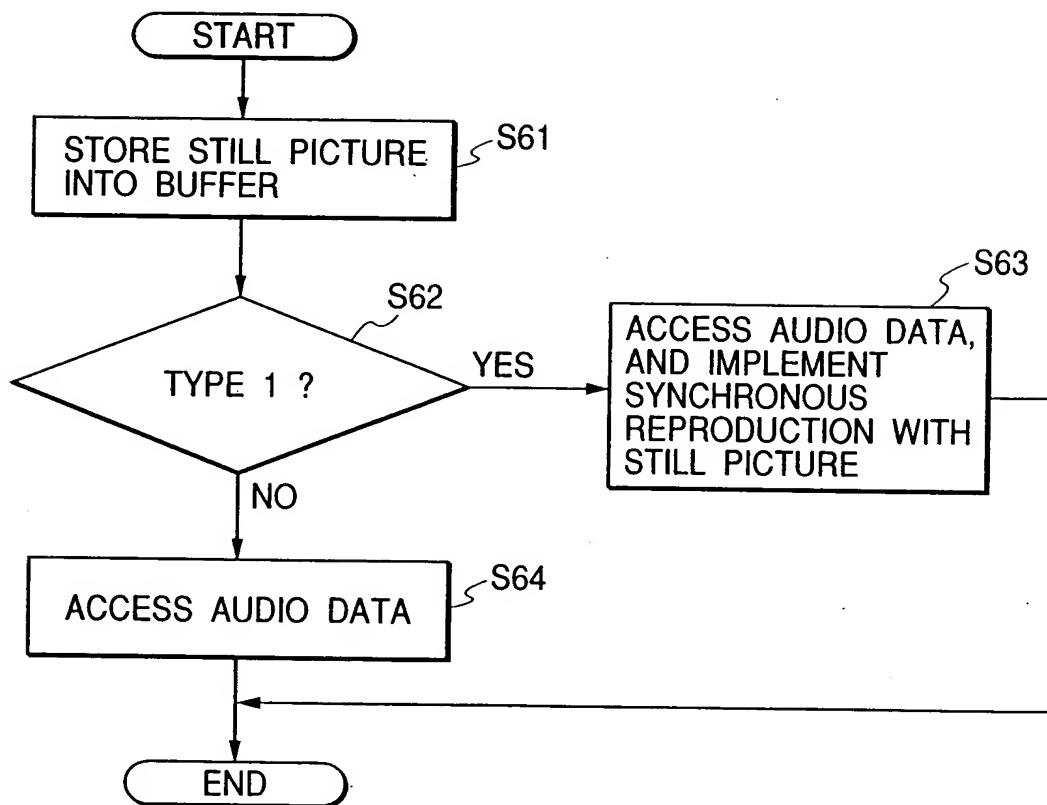


FIG. 98

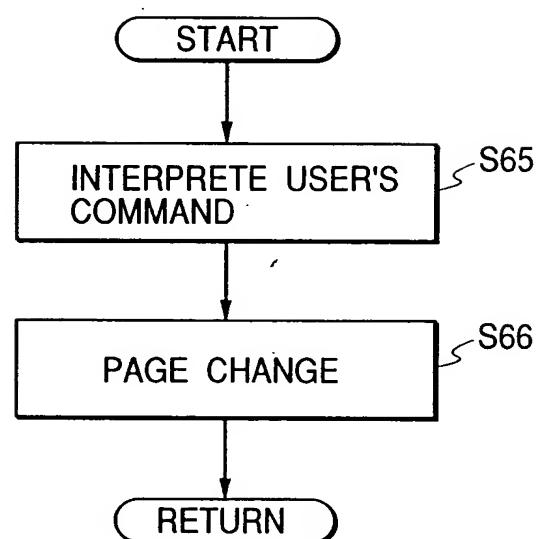


FIG. 99

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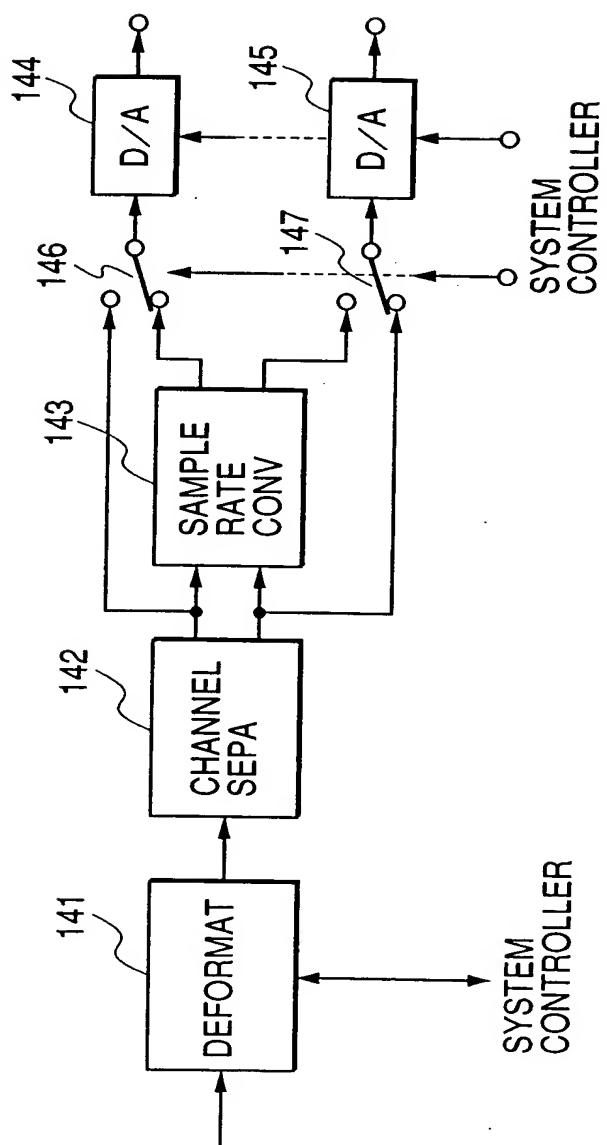
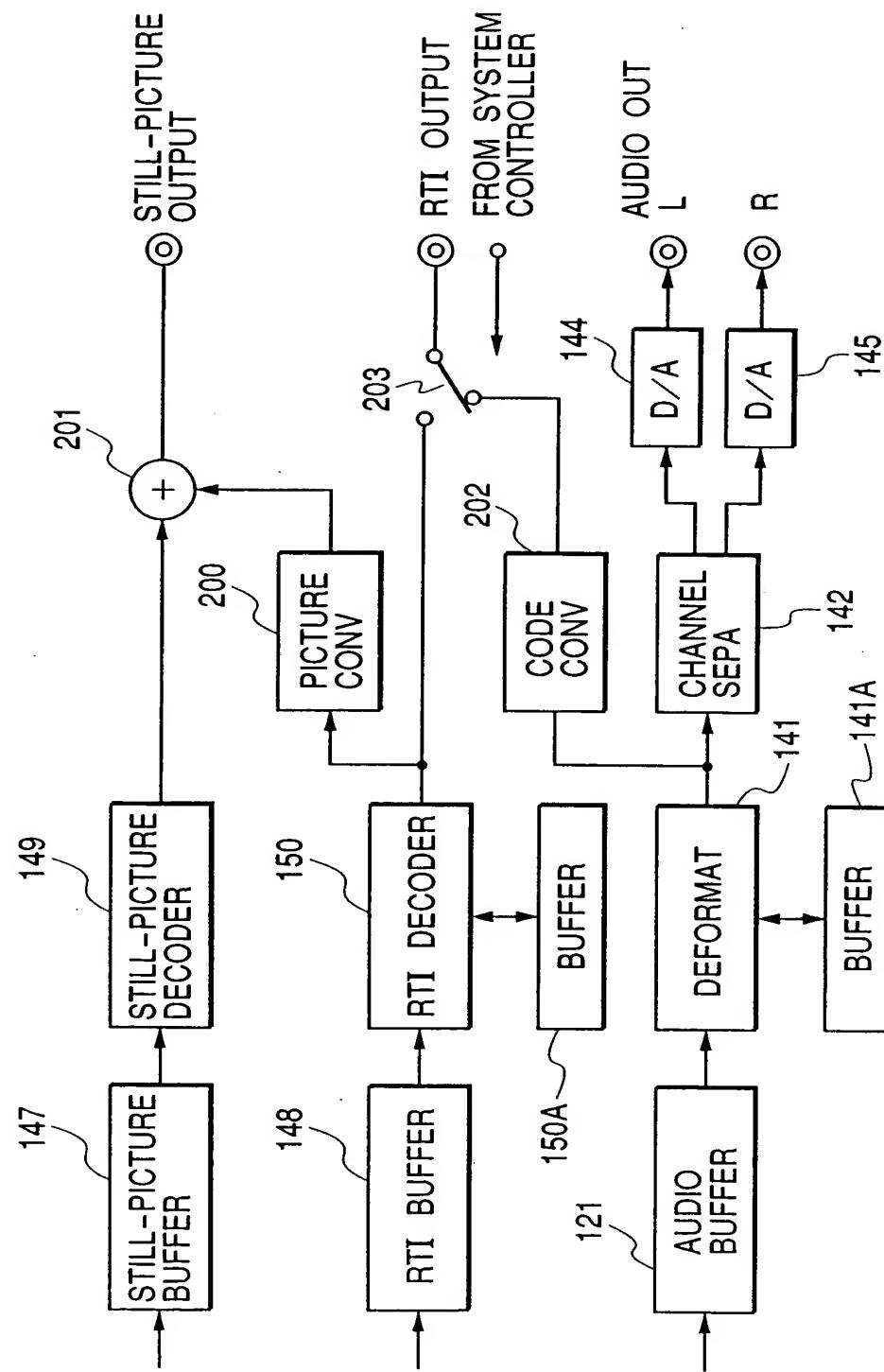


FIG. 100



FROM DEMULTIPLEXER 128

FIG. 101

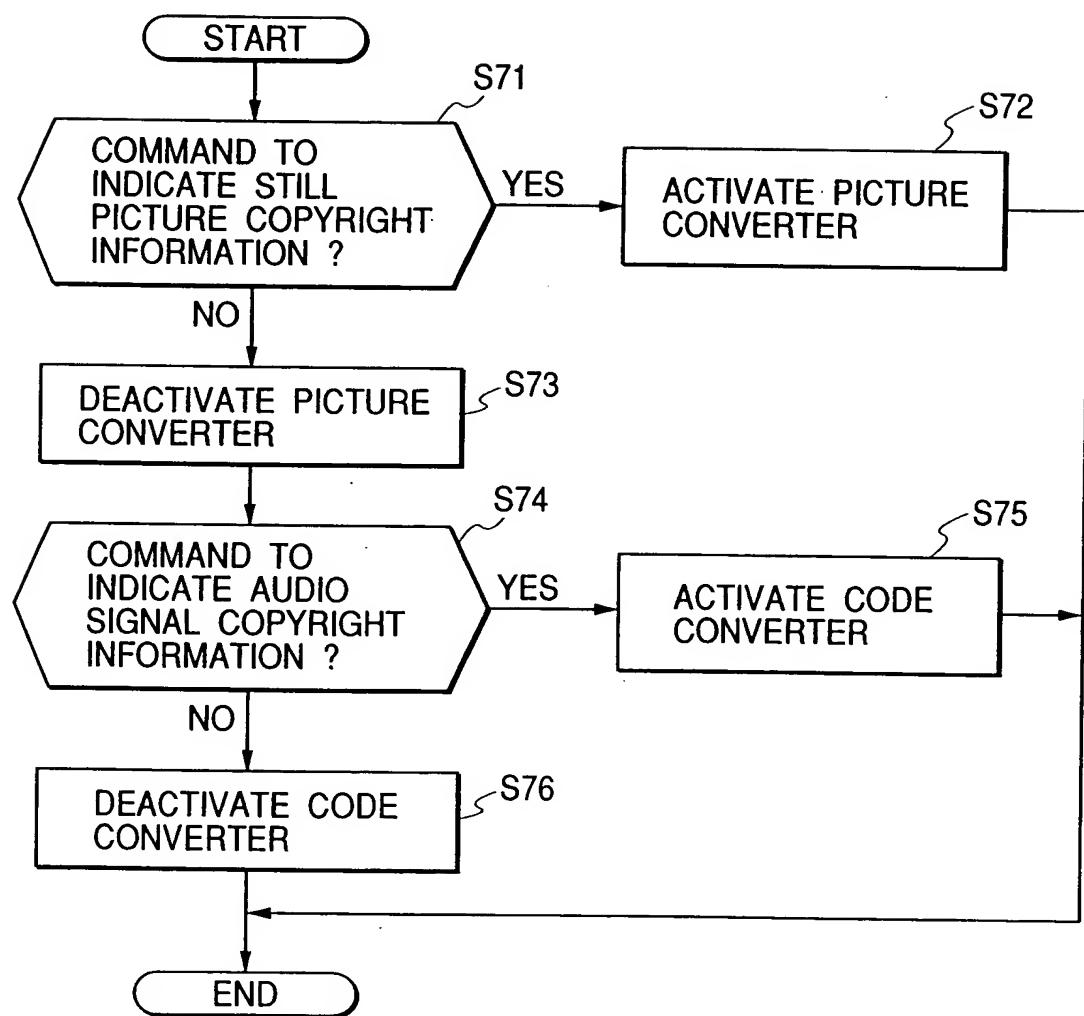


FIG. 102

77 / 84

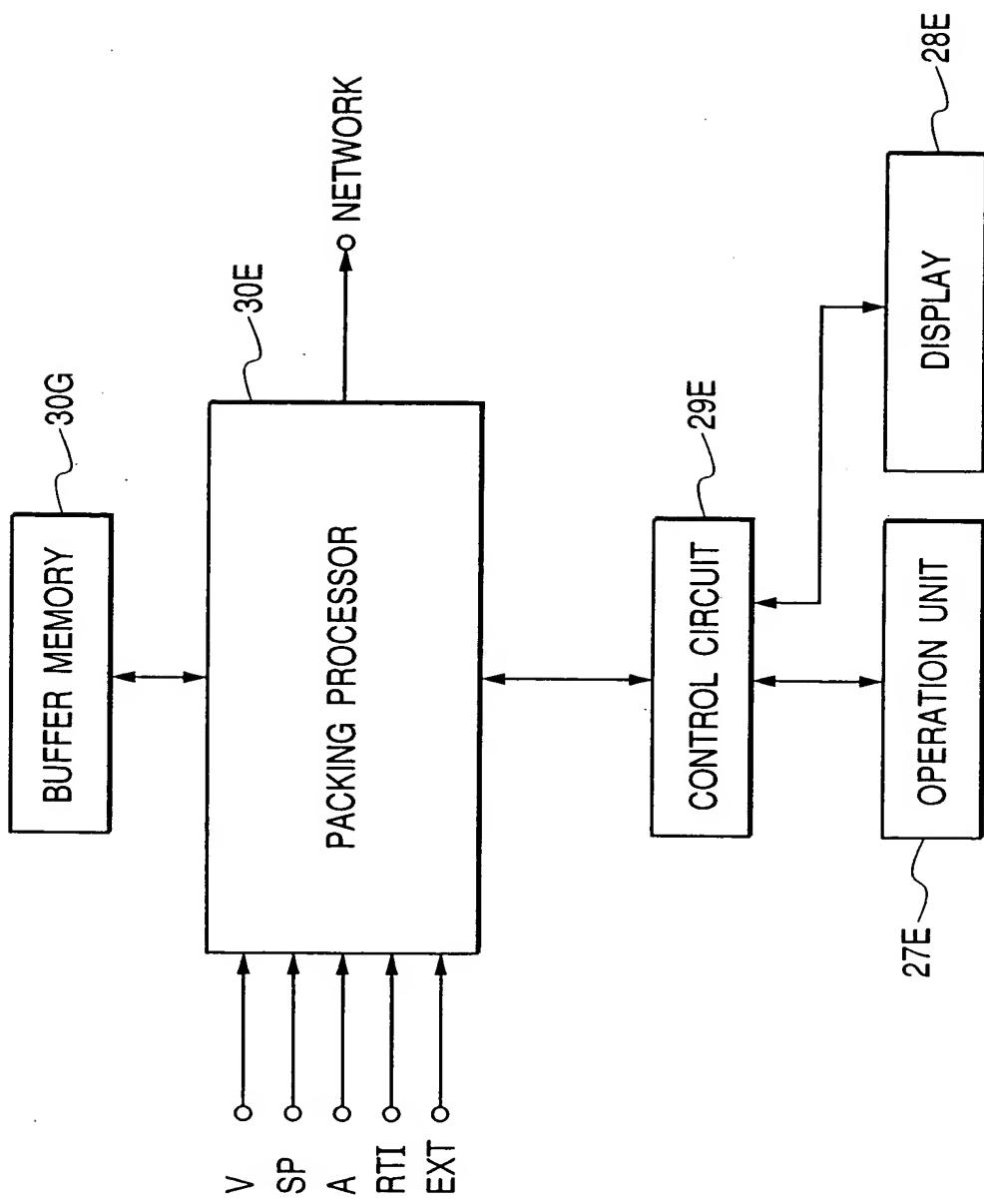


FIG. 103

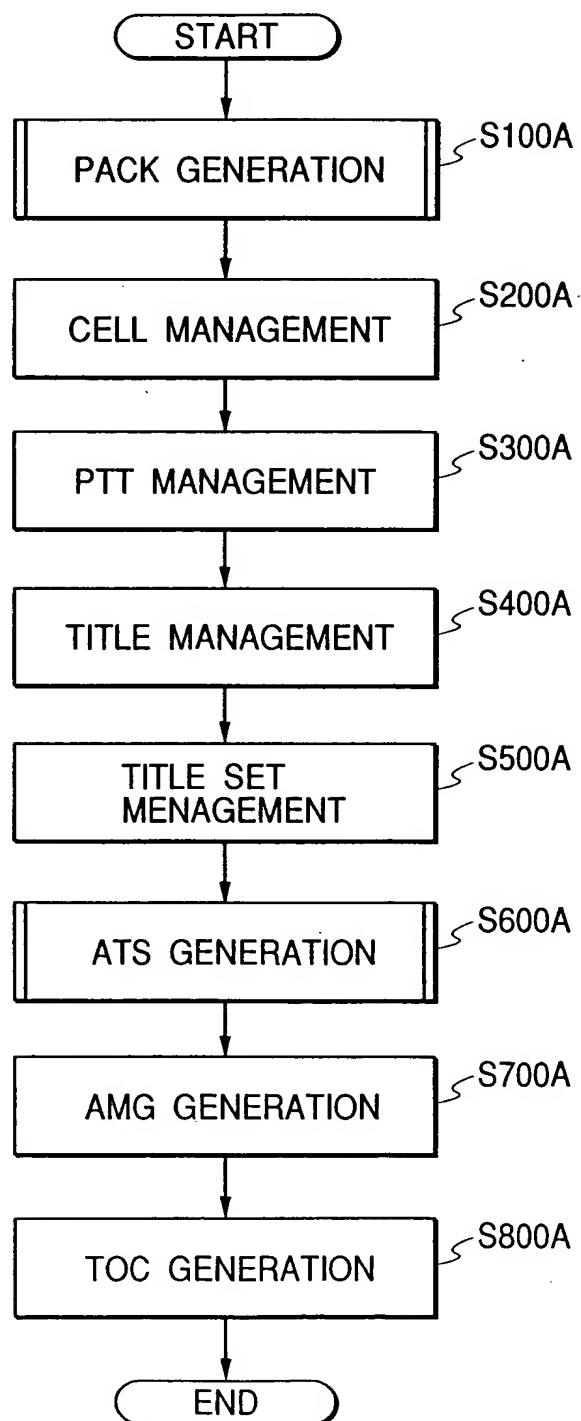


FIG. 104

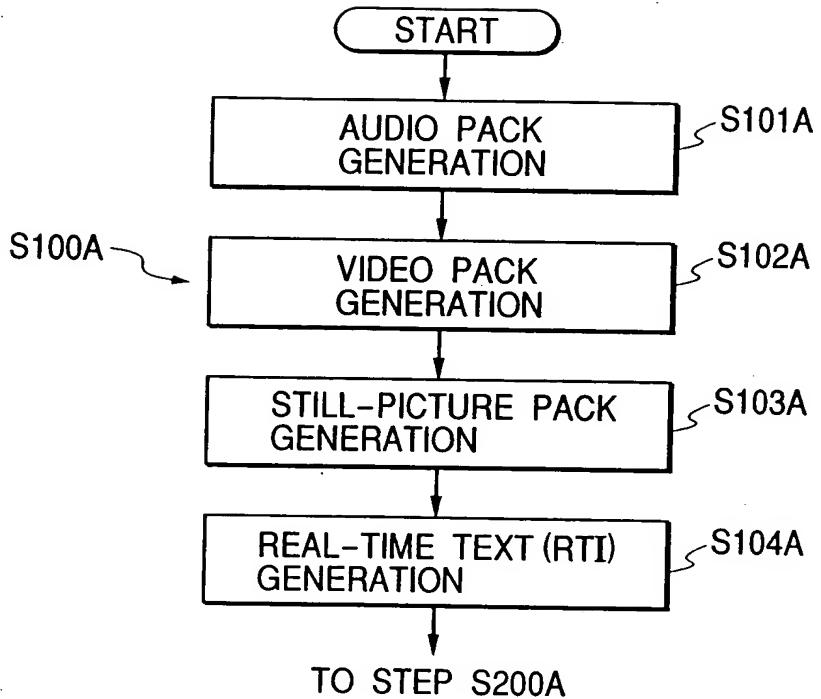


FIG. 105

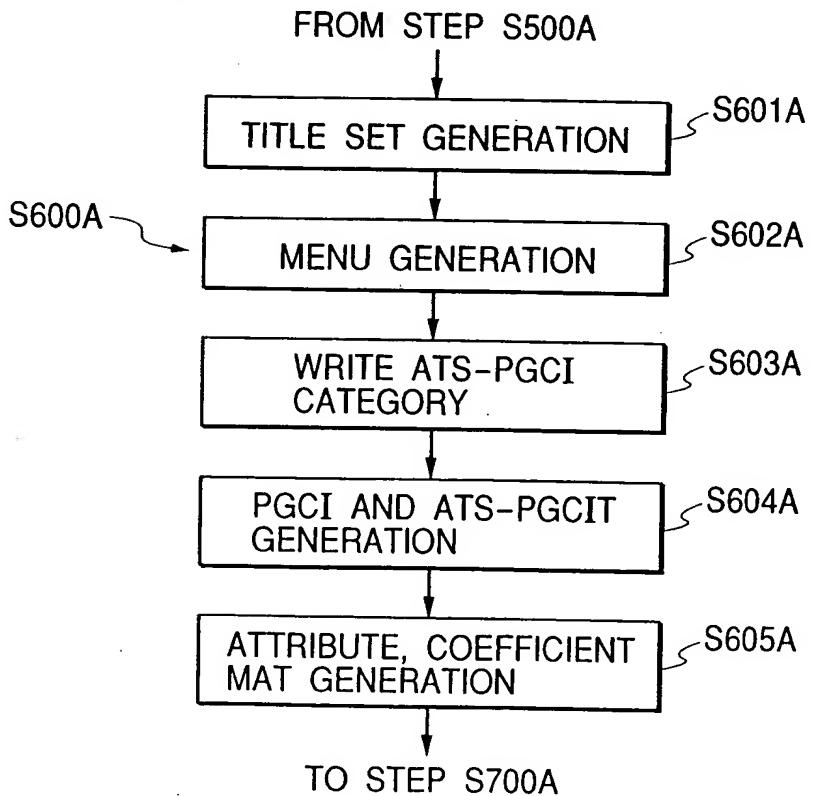


FIG. 106

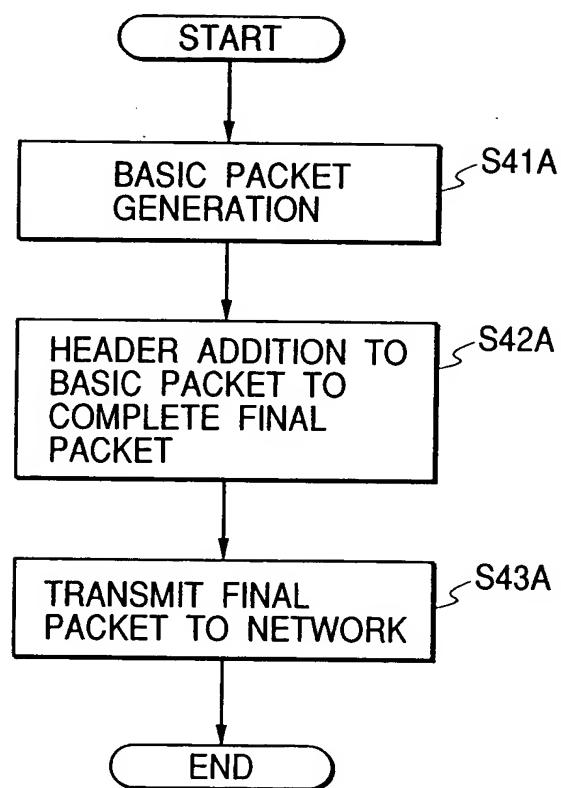


FIG. 107

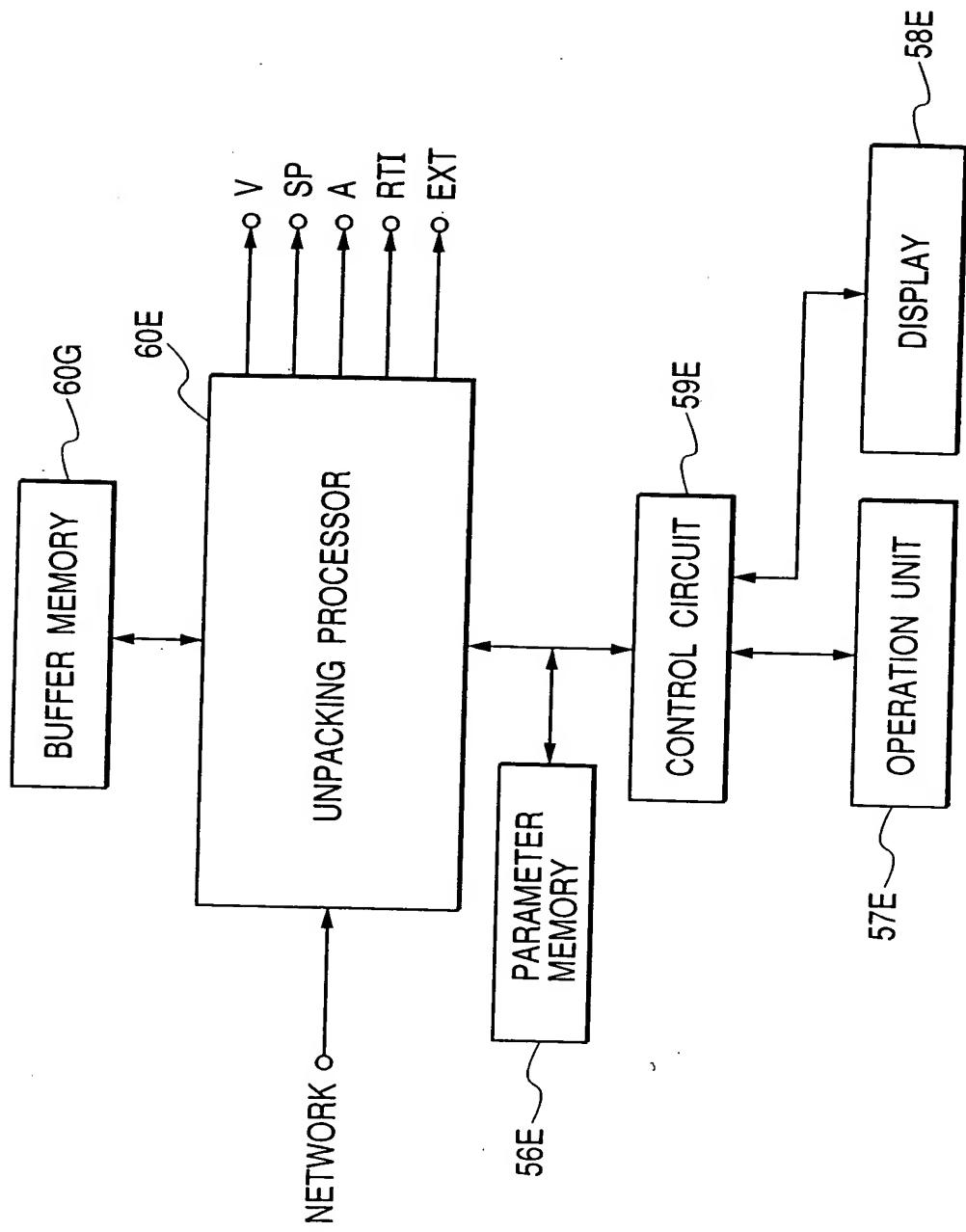


FIG. 108

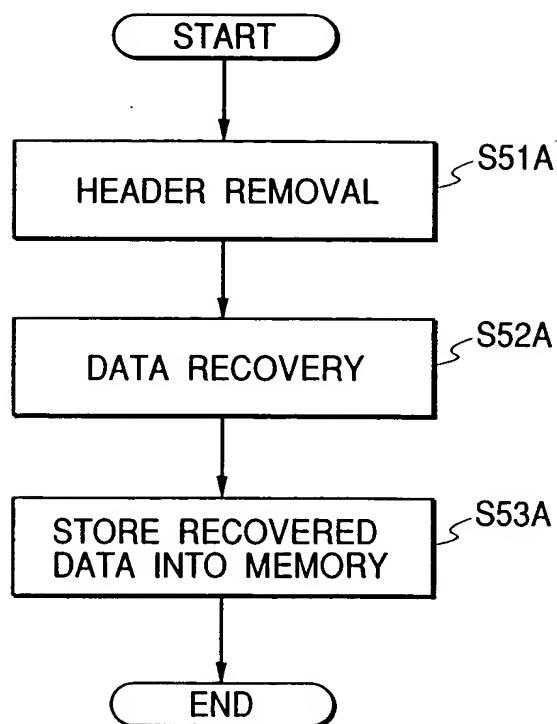


FIG. 109

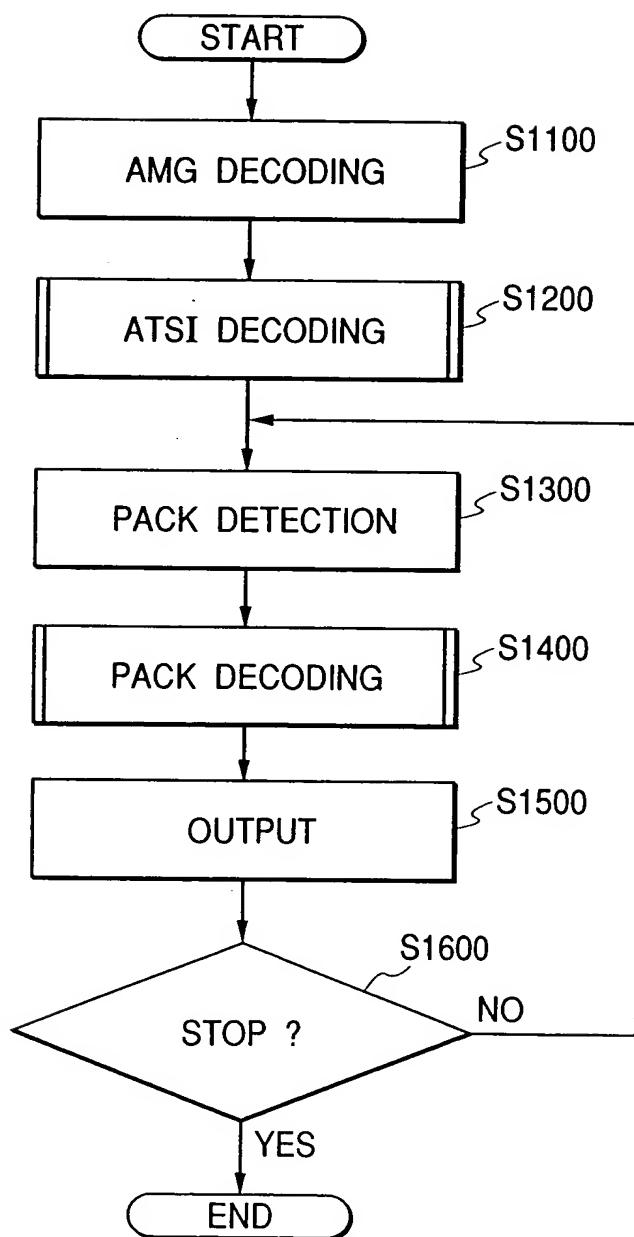
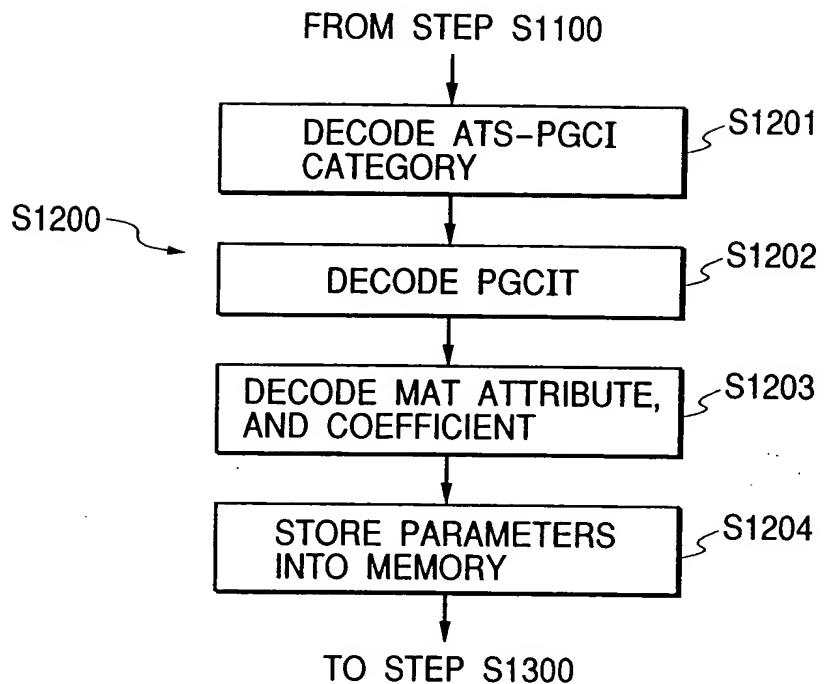


FIG. 110**FIG. 111**